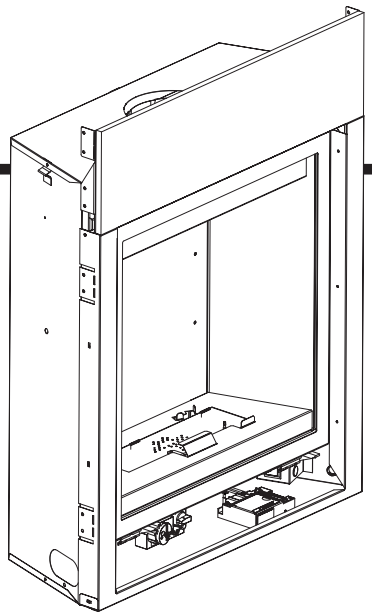
HEAT&GLO™

Where everything comes together

Installer's Guide

Installation and Operation

Model:
Soho-CE



CE
0063-06

⚠ WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury, or death.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **What to do if you smell gas**
  - Do not try to light any appliance
  - Do not touch any electrical switch. Do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

This is a room sealed appliance and no other ventilation is required than what is provided.

⚠ WARNING

HOT! DO NOT TOUCH.

SEVERE BURNS MAY RESULT.

CLOTHING IGNITION MAY RESULT.

Glass and other surfaces are hot during operation and cool down.

- Keep children away.

- CAREFULLY SUPERVISE children in same room as appliance.
- Alert children and adults to hazards of high temperatures.
- Do NOT operate with protective barriers open or removed.
- Keep clothing, furniture, draperies and other combustibles away.

This appliance is not supplied with an integral barrier to prevent direct contact with the fixed glass panel. Do NOT operate the appliance without a protective barrier installed.

Contact your dealer or Hearth & Home Technologies if help is needed to properly install one.

These instructions are only valid if the following country symbol is on the appliance. If this symbol is not present on the appliance, it is necessary to refer to the technical instructions which will provide the necessary information concerning the modification of the appliance to the conditions of use for the country.

These instructions are valid for the following countries: GB, IE

Read this manual before installing or operating this appliance.
Please retain this owner's manual for future reference.

Congratulations

Congratulations on selecting a Heat & Glo gas appliance The Heat & Glo gas appliance you have selected is designed to provide the utmost in safety, reliability, and efficiency.

As the owner of a new appliance, you'll want to read and carefully follow all of the instructions contained in this *Installer's Guide*. Pay special attention to all Cautions and Warnings.

This *Installer's Guide* should be retained for future reference. We suggest that you keep it with your other important documents and product manuals.

The information contained in this *Installer's Guide*, unless noted otherwise, applies to all models and gas control systems.

Your new Heat & Glo gas appliance will give you years of durable use and trouble-free enjoyment. Welcome to the Heat & Glo family of appliance products!

Homeowner Reference Information

We recommend that you record the following pertinent information about your appliance.

Model Name: _____ Date purchased/installed: _____

Serial Number: _____ Location on appliance: _____

Dealership purchased from: _____ Dealer Phone: _____

Notes: _____

_____

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➔ = Contains updated information.

1 Listing and Code Approvals

A. Appliance Certification

MODELS: **Soho-CE**

LABORATORY: **Gastech Certification B.V**

TYPE: **Gas Fireplace**

STANDARD: **BS EN 613: 2001**

DIRECTIVE: **CAD90/396/EEC**

The Heat & Glo gas appliances discussed in this Installer's Guide have been tested to certification standards and listed by the applicable laboratories.

This appliance must be installed in accordance with the rules in force.

NOX Class 5 for G20, NOX Class 5 for G31

B. Non-Combustible Materials Specification

Material which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof.

Materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750º C, shall be considered non-combustible materials.

C. Combustible Materials Specification

Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame proofed or not, or whether plastered or unplastered shall be considered combustible materials.

Heat & Glo Quality Systems registered by SGS ICS

2 Getting Started

A. Design and Installation Considerations

Heat & Glo balanced flue gas appliances are designed to operate with all combustion air siphoned from outside of the building and all exhaust gases expelled to the outside. No additional outside air source is required.

CAUTION

Check building codes prior to installation.

- Installation MUST comply with local, regional, state and national codes and regulations.
- Consult local building, fire officials or authorities having jurisdiction about restrictions, installation inspection, and permits.

When planning an appliance installation, it's necessary to determine the following information before installing:

- Where the appliance is to be installed.
- The flue system configuration to be used.
- Gas supply piping.
- Framing and finishing details.

B. Tools and Supplies Needed

Before beginning the installation be sure that the following tools and building supplies are available.

Reciprocating saw	Framing material
Pliers	Hi temp caulking material
Hammer	Gloves
Phillips screwdriver	Framing square
Flat blade screwdriver	Electric drill and bits (1/4 in.)
Plumb line	Safety glasses
Level	Manometer
Tape measure	Voltmeter

Noncorrosive leak check solution

One 1/4 inch female connection (for optional fan).

1/2 - 3/4 inch length, #6 or #8 Self-drilling screws

C. Inspect Appliance and Components

⚠ WARNING

Inspect appliance and components for damage. Damaged parts may impair safe operation.

- Do NOT install damaged components.
- Do NOT install incomplete components.
- Do NOT install substitute components.

Report damaged parts to dealer.

- Carefully remove the appliance and components from the packaging.
- The flue system components and trim doors are shipped in separate packages.
- The logs are packaged separately inside the fireplace and must be field installed.
- Report to your dealer any parts damaged in shipment, particularly the condition of the glass.
- **Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.**

⚠ WARNING

Hearth & Home Technologies disclaims any responsibility for, and the warranty will be voided by, the following actions:

- Installation and use of any damaged appliance or flue system component.
- Modification of the appliance or flue system.
- Installation other than as instructed by Hearth & Home Technologies.
- Improper positioning of the gas logs or the glass door.
- Installation and/or use of any component part not approved by Hearth & Home Technologies.

Any such action may cause a fire hazard.

3 Framing and Clearances

Note:
- Illustrations reflect typical installations and are FOR DESIGN PURPOSES ONLY.
- Illustrations/diagrams are not drawn to scale.
- Actual installation may vary due to individual design preference.

A. Selecting Appliance Location

When selecting a location for your appliance it is important to consider the required clearances to walls (see Figure 3.1).

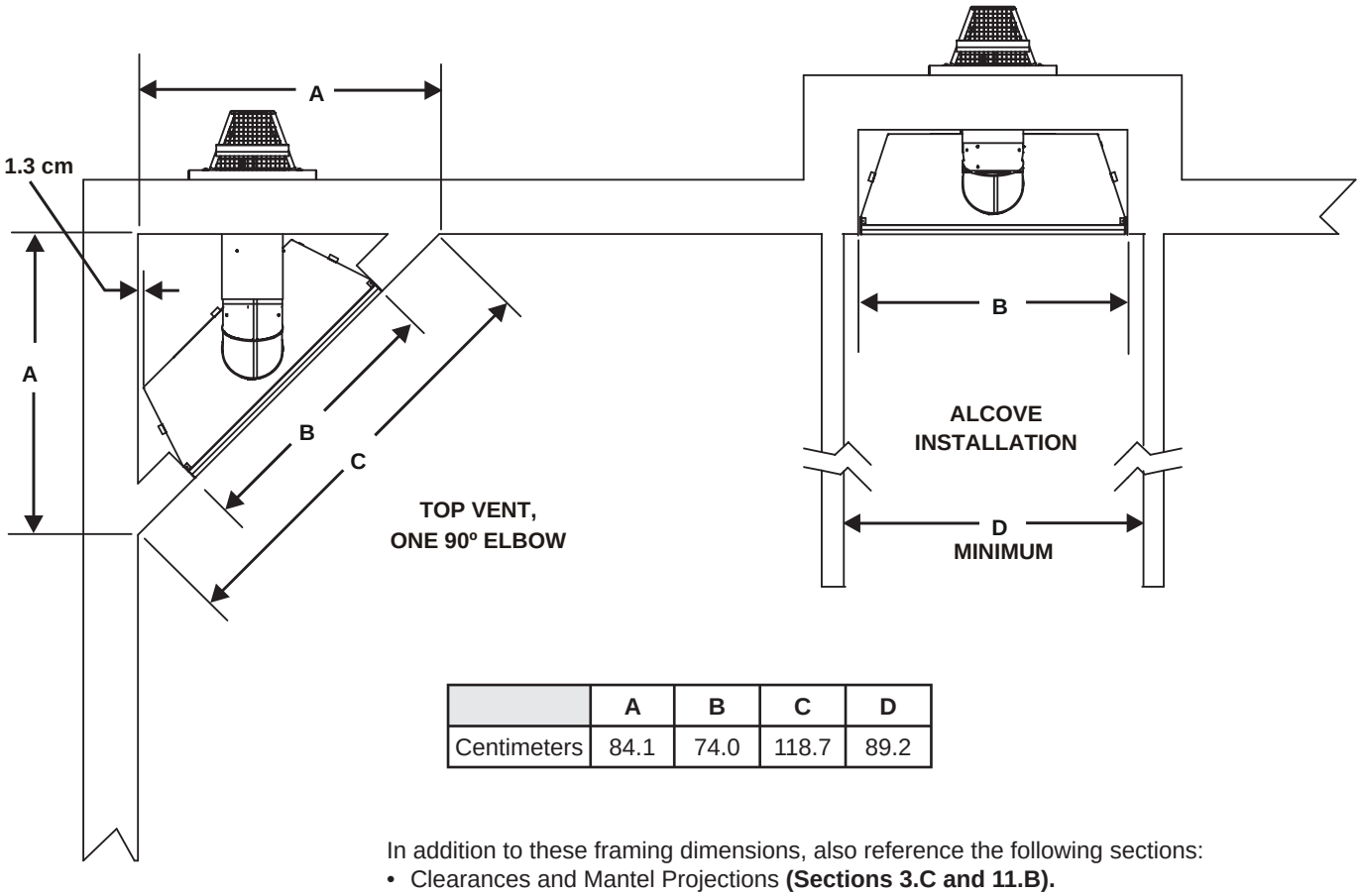
⚠ WARNING

Fire Risk

Provide adequate clearance:
- Around air openings
- To combustibles
- For service access

Locate appliance away from traffic areas.

NOTE: For actual appliance dimensions refer to Section 16.



	A	B	C	D
Centimeters	84.1	74.0	118.7	89.2

In addition to these framing dimensions, also reference the following sections:
- Clearances and Mantel Projections **(Sections 3.C and 11.B).**
- Flue Clearances and Framing **(Section 6).**

Figure 3.1 Appliance Locations

B. Constructing the Appliance Chase

A chase is a vertical boxlike structure built to enclose the gas appliance and/or its flue system. Vertical flues that run on the outside of a building may be, but are not required to be, installed inside a chase.

Construction of the chase may vary with the type of building. These instructions are not substitutes for the requirements of local building codes. Local building codes MUST be checked.

Chases should be constructed in the manner of all outside walls of the home to prevent cold air drafting problems. The chase should not break the outside building envelope in any manner.

Walls, ceiling, base plate and cantilever floor of the chase should be insulated. Vapor and air infiltration barriers should be installed in the chase as per regional codes for the rest of the home. Additionally, in regions where cold air infiltration may be an issue, the inside surfaces may be sheetrocked and taped for maximum air tightness.

To further prevent drafts, the wall shield and ceiling firestops should be caulked with high temperature caulk to seal gaps. Gas line holes and other openings should be caulked with high temp caulk or stuffed with unfaced insulation. If the appliance is being installed on a cement slab, a layer of plywood may be placed underneath to prevent conducting cold up into the room.

C. Clearances

⚠ WARNING

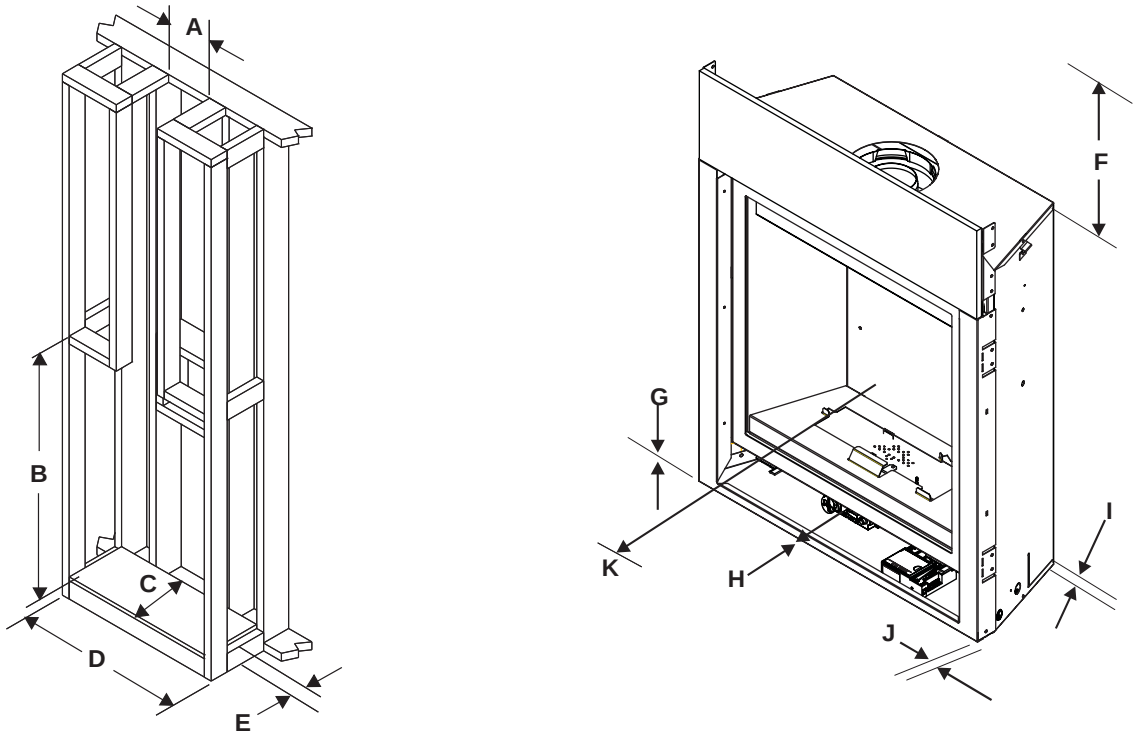
Fire Risk.

Odor Risk.

- Install appliance on hard metal or wood surfaces extending full width and depth of appliance.
- Do NOT install appliance directly on carpeting, vinyl, tile or any combustible material other than wood.

CAUTION

The SOHO-CE requires an elevated platform construction to accommodate the Studio CE Front which is larger than the appliance.



CLEARANCES TO COMBUSTIBLES:											
	A	B	C	D	E	F	G	H	I	J	K
	Rough Opening (Flue Pipe)	Rough Opening (Height)	Rough Opening (Depth)	Rough Opening (Width)	Minimum Platform Height	Clearance to Ceiling	Non-Combustible Floor	Combustible Flooring	Behind Appliance	Sides of Appliance	Front of Appliance
cm	21.9	111.8	29.2	75.2	7.6	71.1	0	0	1.3	133	91.4

Figure 3.2 Clearances to Combustibles

4 Termination Locations

A. Flue Termination Minimum Clearances

⚠ WARNING

Fire Risk.

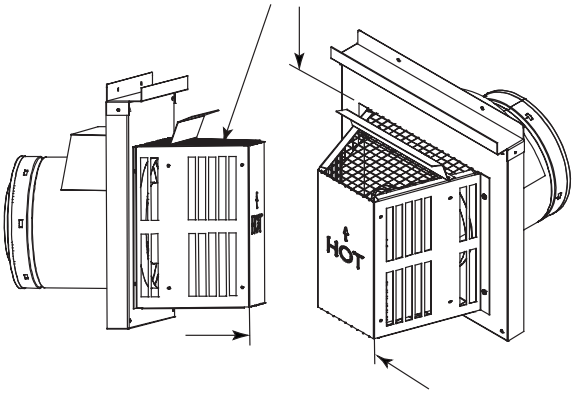
Explosion Risk.

Maintain flue clearance to combustibles as specified.

- Do not pack air space with insulation or other materials.

Failure to keep insulation or other materials away from flue pipe may cause fire.

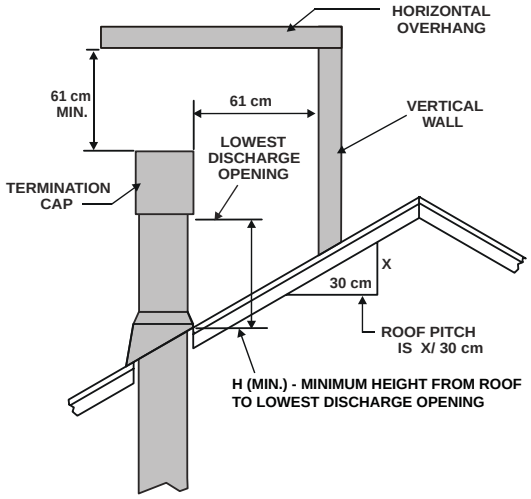
Measure vertical clearances from this surface.



Measure horizontal clearances from this surface.

(See Figure 4.4 for specific clearances)

Figure 4.1

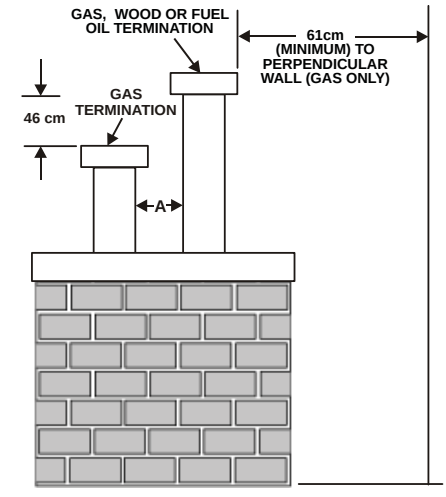


Roof Pitch	H (Min.) Meters
Flat to 6/12	0.30*
Over 6/12 to 7/12	0.38*
Over 7/12 to 8/12	0.46*
Over 8/12 to 9/12	0.61*
Over 9/12 to 10/12	0.76
Over 10/12 to 11/12	0.99
Over 11/12 to 12/12	1.22
Over 12/12 to 14/12	1.55
Over 14/12 to 16/12	1.83
Over 16/12 to 18/12	2.13
Over 18/12 to 20/12	2.29
Over 20/12 to 21/12	2.44

* 91 cm minimum in snow regions

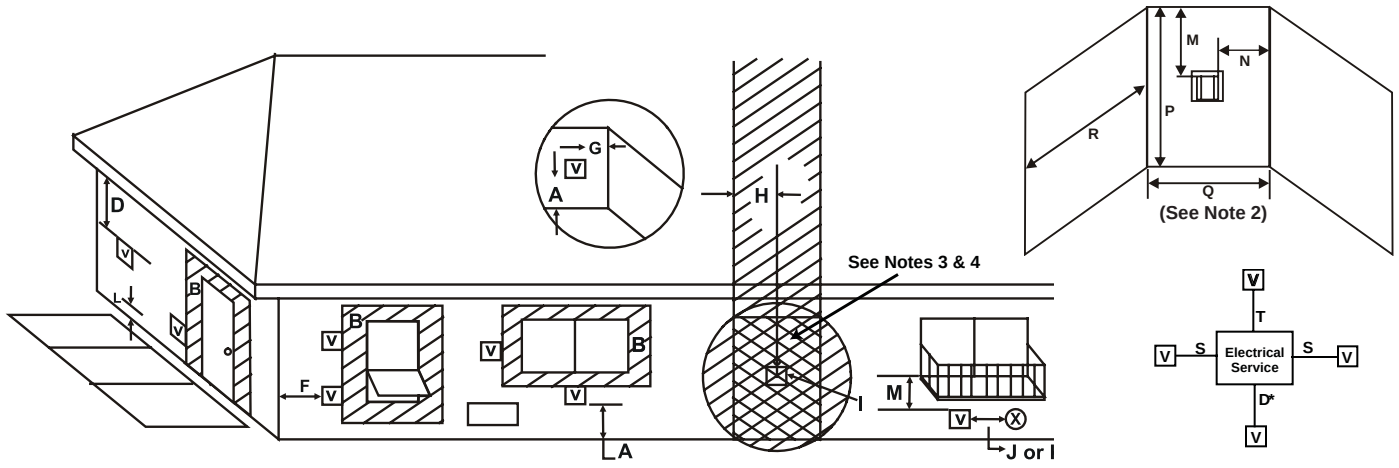
Figure 4.2 Minimum height from roof to lowest discharge opening

Figure 4.2 specifies minimum flue heights for various pitched roofs.



	Gas Termination	Wood & Fuel Oil Termination
A	15 cm	51 cm.

Figure 4.3 Multiple Vertical Termination



V = VENT TERMINAL X = AIR SUPPLY INLET = AREA WHERE TERMINAL IS NOT PERMITTED

A = 31 cm (See Note 1) .....clearances above grade, veranda, porch, deck or balcony

B = 31 cm .....clearances to window or door that may be opened, or to permanently closed window. (Glass)

D* = 31 cm .....vertical clearance to unventilated soffit or to ventilated soffit located above the terminal

76 cm.....for vinyl clad soffits and below electrical service

F = 23 cm .....clearance to outside corner

G = 15 cm .....clearance to inside corner

H = 91 cm .....not to be installed above a gas meter/regulator assembly within 90 cm horizontally from the center-line of the regulator

I = 1.8 m .....clearance to gas service regulator flue outlet

J = 31 cm .....clearance to non-mechanical air supply inlet to building or the combustion air inlet to any other appliance

K = 1.8 m .....clearance to a mechanical (powered) air supply inlet

L** = 2.1 m (See Note 1) .....clearance above paved sidewalk or a paved driveway located on **public** property

m*** = 46 cm .....clearance under veranda, porch, deck, balcony or overhang

1.1 m .....vinyl

S = 15 cm (See Note 5) .....clearance from sides of electrical service

T = 31 cm (See Note 5) .....clearance above electrical service

Alcove Applications

N = 15 cm .....non-vinyl sidewalls
31 cm .....vinyl sidewalls

P = 2.4 m

	Q_{MIN}	R_{MAX}
1 cap	.91 m	2 x Q_{ACTUAL}
2 caps	1.8 m	1 x Q_{ACTUAL}
3 caps	2.7 m	2/3 x Q_{ACTUAL}
4 caps	3.7 m	1/2 x Q_{ACTUAL}

Q_{MIN} = # termination caps x 3 R_{MAX} = (2 / # termination caps) x Q_{ACTUAL}

** a flue shall not terminate directly above a sidewalk or paved driveway which is located between two single family dwellings and serves both dwellings.

*** only permitted if veranda, porch, deck or balcony is fully open on a minimum of 2 sides beneath the floor, or meets Note 2.

NOTE 1: On private property where termination is less than 7 feet above a sidewalk, driveway, deck, porch, veranda or balcony, use of a listed cap shield is suggested. (See flue components page)

NOTE 2: Termination in an alcove space (spaces open only on one side and with an overhang) are permitted with the dimensions specified for vinyl or non-vinyl siding and soffits. **1**. There must be 2.7 m minimum between termination caps. **2.** All mechanical air intakes within 3M of a termination cap must be a minimum of 2.7 m below the termination cap. **3.** All gravity air intakes within 2.7 m of a termination cap must be a minimum of .31M foot below the termination cap.

NOTE 3: Local codes or regulations may require different clearances.

NOTE 4: Termination caps may be hot. Consider their proximity to doors or other traffic areas.

NOTE 5: Location of the flue termination must not interfere with access to the electrical service.

Heat & Glo assumes no responsibility for the improper performance of the appliance when the flueing system does not meet these requirements.

Figure 4.4 Minimum Clearances for Termination

5 Flue Information and Diagrams

A. Flue Table Key

The abbreviations listed in this flue table key are used in the flue diagrams.

Symbol	Description
V_1	First section (closest to appliance) of vertical length
V_2	Second section of vertical length
H_1	First section (closest to appliance) of horizontal length
H_2	Second section of horizontal length

⚠ WARNING

Fire Hazard.

Explosion Risk.

Asphyxiation Risk.

Do NOT connect this gas appliance to a chimney flue serving a separate solid-fuel or gas burning appliance.

- Vent this appliance directly outside.
- Use separate flue system for this appliance.

May impair safe operation of this appliance or other appliances connected to the flue.

B. Use of Elbows

CAUTION

ALL flue configuration specifications MUST be followed.

- This product is tested and listed to these specifications.
- Appliance performance will suffer if specifications are not followed.

Diagonal runs have both vertical and horizontal flue aspects when calculating the effects. Use the rise for the vertical aspect and the run for the horizontal aspect (see Figure 5.1).

Two 45º elbows may be used in place of one 90º elbow. On 45º runs, 30.5 cm of diagonal is equal to 21.6 centimeters horizontal run and 21.6 centimeters vertical run. A length of straight pipe is allowed between two 45º elbows (see Flue diagrams).

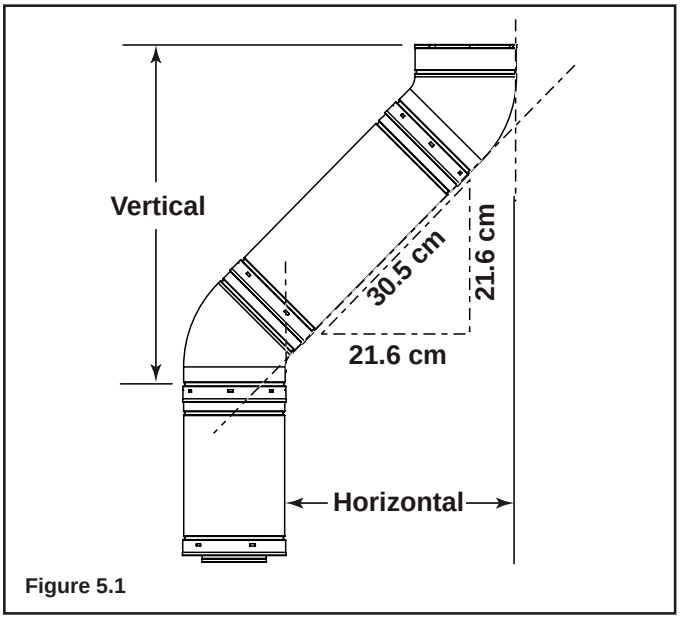


Figure 5.1

C. Measuring Standards

Vertical and horizontal measurements listed in the flue diagrams were made using the following standards.

1. Pipe measurements are from center line to center line.
2. Measurements are made from the appliance outer wrap, not from the standoffs.
3. Horizontal terminations are measured to the end of termination cap.
4. Vertical terminations are measured to bottom of termination cap.
5. Horizontal pipe installed level with no slope up or down.

D. Flue Diagrams

1. Horizontal Termination

One Elbow

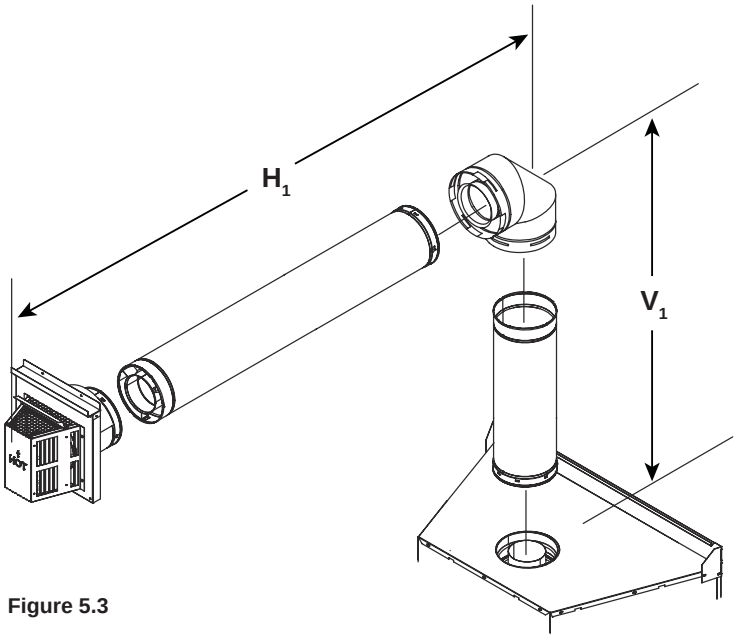


Figure 5.3

One Elbow	
V Minimum	H Maximum
Elbow only	76 cm
30 cm	91 cm
61 cm	1.8 m
91 cm	2.7 m
1.2 m	3.7 m
1.5 m	4.6 m
V + H Maximum = 11.9 m H Maximum = 4.6 m	

Two Elbows

Two Elbows	
V Minimum	**$H_1 + H_2$ Maximum**
Elbow only	**Not Allowed**
30 cm	**91 cm**
61 cm	**1.8 m**
91 cm	**2.7 m**
1.2 m	**3.7 m**
1.5 m	**4.6 m**
V + H_1 + H_2 Maximum = 11.9 m H_1 + H_2 Maximum = 4.6 m	

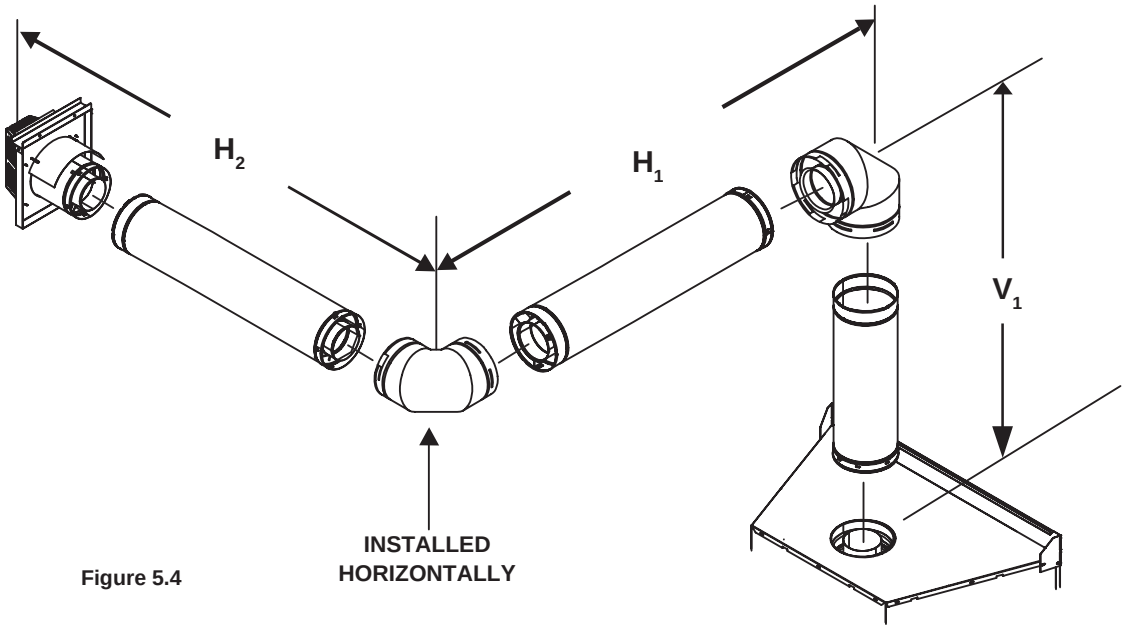


Figure 5.4

1. Horizontal Termination - (continued)

Three Elbows

Three Elbows			
V_1 Minimum	H_1 Maximum	V_2 Minimum	H_2 Maximum
30 cm	61 cm	30 cm	61 cm
61 cm	1.2 m	61 cm	1.2 m
91 cm	1.8 m	91 cm	1.8 m
1.2 m	2.4 m	1.2 m	2.2 m
$V_1 + V_2 + H_1 + H_2$ = Maximum = 11.9 m $H_1 + H_2$ Maximum = 4.6 m			

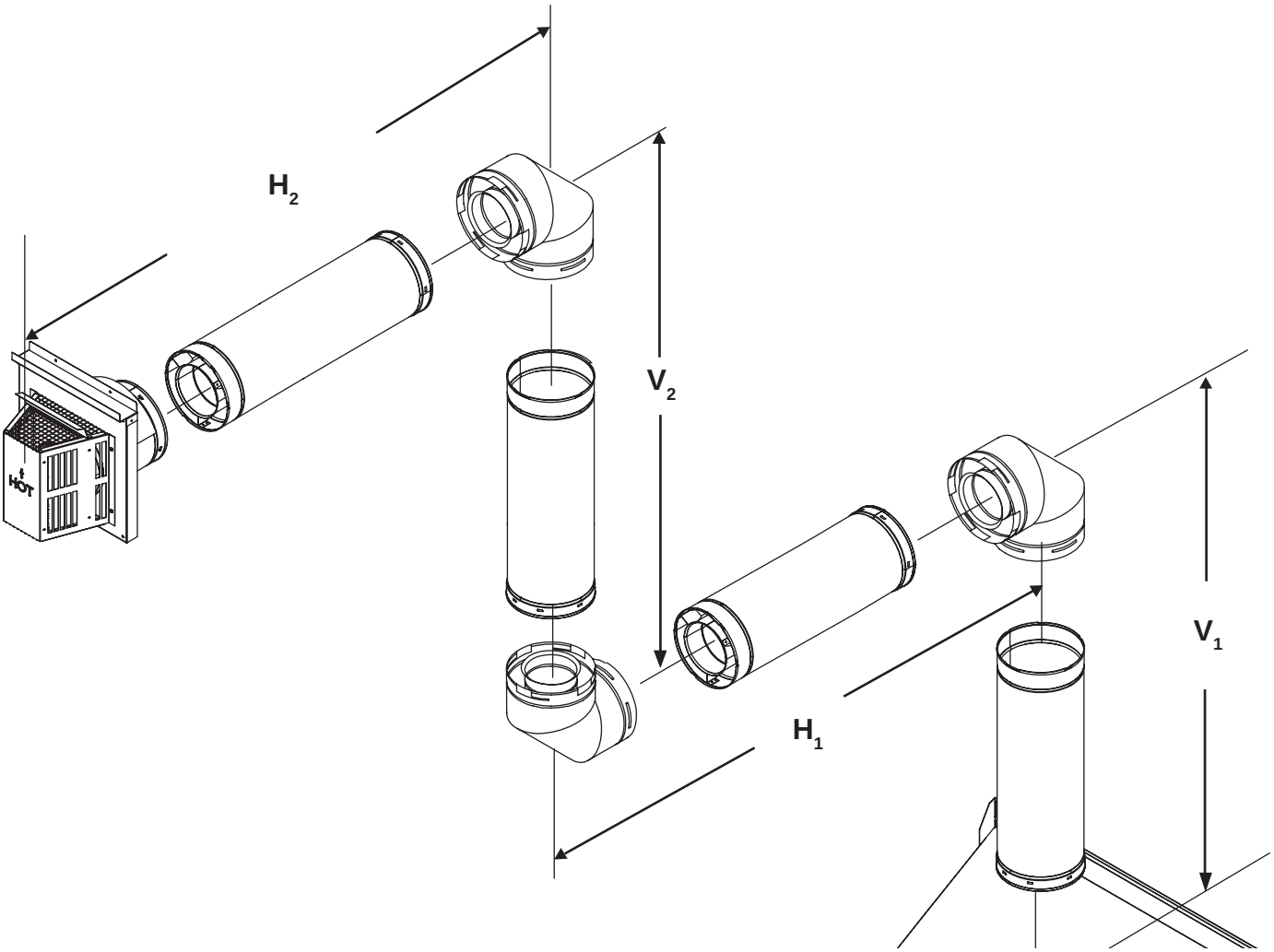


Figure 5.5

2. Vertical Termination

No Elbow

V_1 = 11.8 m Maximum

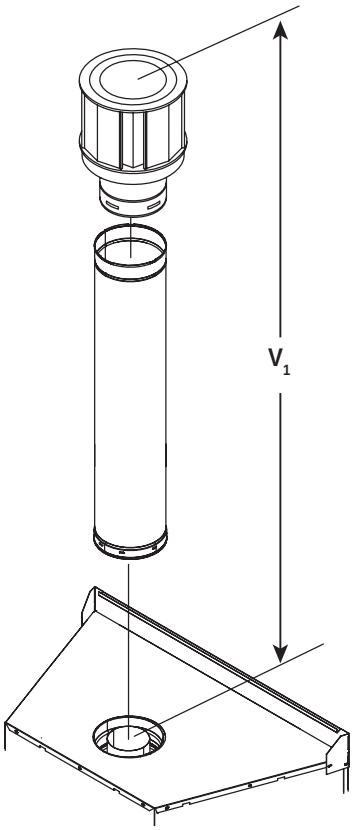


Figure 5.6

Two Elbows

Two Elbows	
V_1 Minimum	H Maximum
Elbow only	46 cm
30 cm	91 cm
61 cm	1.2 m
91 cm	1.8 m
1.2 m	2.4 m
1.8 m	4.6 m
$V_1 + V_2$ + H Maximum = 11.9 m $H_1 + H_2$ Maximum = 4.6 m	

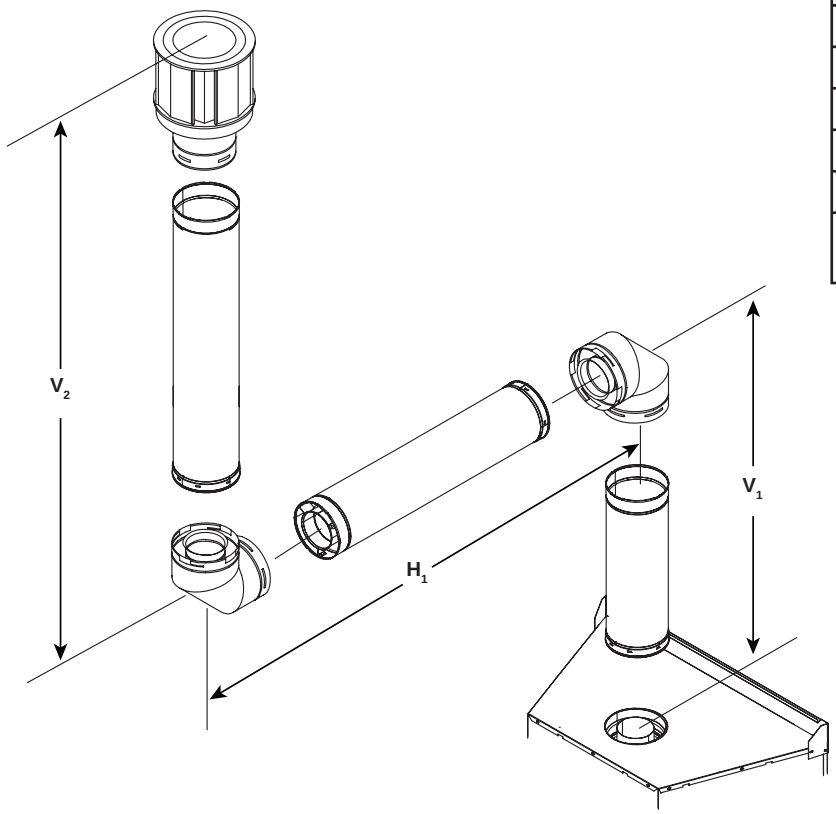


Figure 5.7

2. Vertical Termination - *(continued)*

Three Elbows

Three Elbows	
V_1 Minimum	$H_1 + H_2$ Maximum
30 cm	61 cm
61 cm	91 cm
91 cm	1.5 m
1.2 m	2.1 m
1.5 m	4.3 m
$V_1 + V_2 + H_1 + H_2$ Maximum = 11.9 m $H_1 + H_2$ Maximum = 4.3 m	

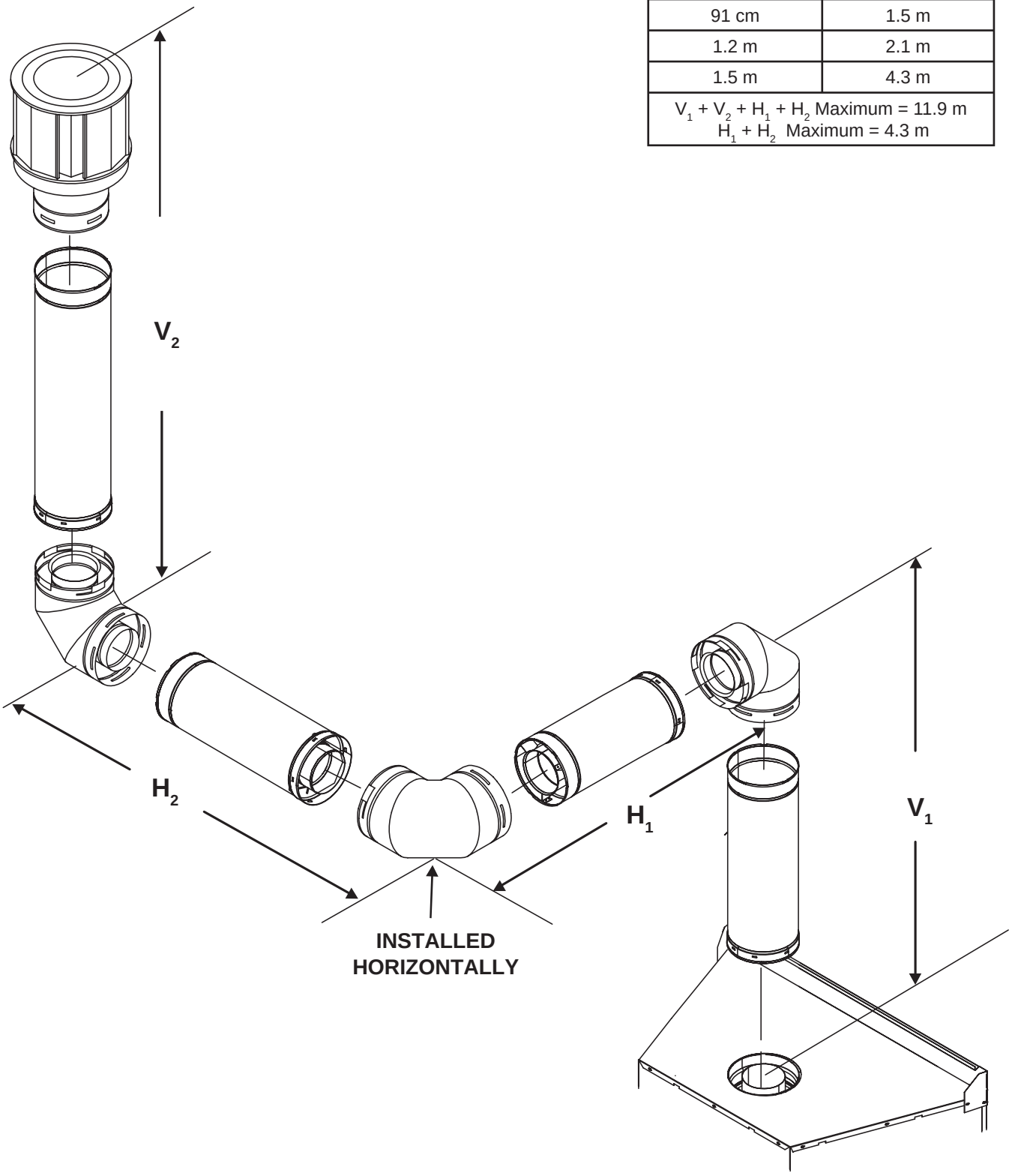


Figure 5.8

6 Flue Clearances and Framing

A. Pipe Clearances to Combustibles

⚠ WARNING

Fire Risk.

Explosion Risk.

Maintain flue clearance to combustibles as specified.

- Do not pack air space with insulation or other materials.

Failure to keep insulation or other materials away from flue pipe may cause fire.

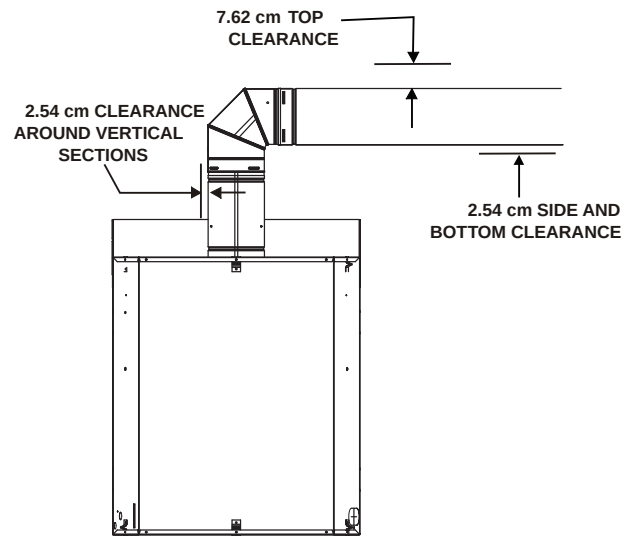
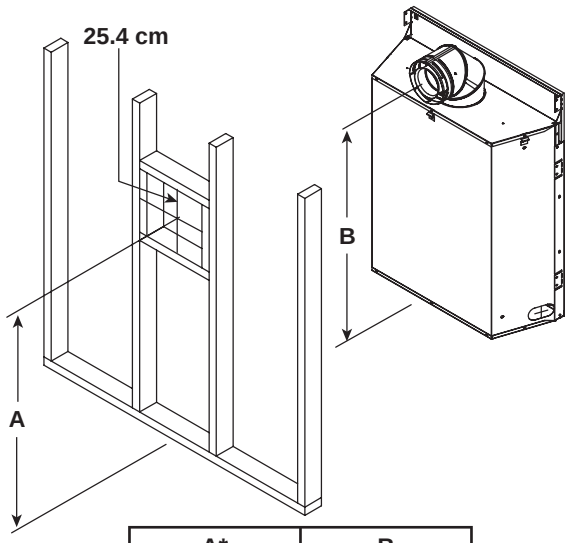


Figure 6.1 Pipe Clearances

B. Wall Penetration Framing



A*	B
96.5 cm	93.4 cm

*Shows center of flue framing hole. The center of the hole is one 2.54 cm above the center of the horizontal flue pipe.

Figure 6.2 Exterior Wall Hole

Combustible Wall Penetration

Frame a hole in a combustible wall for an interior wall shield firestop, (Figure 6.2) whenever a wall is penetrated. Use same size framing materials as those used in the wall construction. The wall shield firestop maintains minimum clearances and prevents cold air infiltration.

Non-Combustible Wall Penetration

If the hole being penetrated is surrounded by noncombustible materials such as concrete, a hole with diameter 2.54 cm greater than the pipe is acceptable.

C. Vertical Penetration Framing

⚠ WARNING

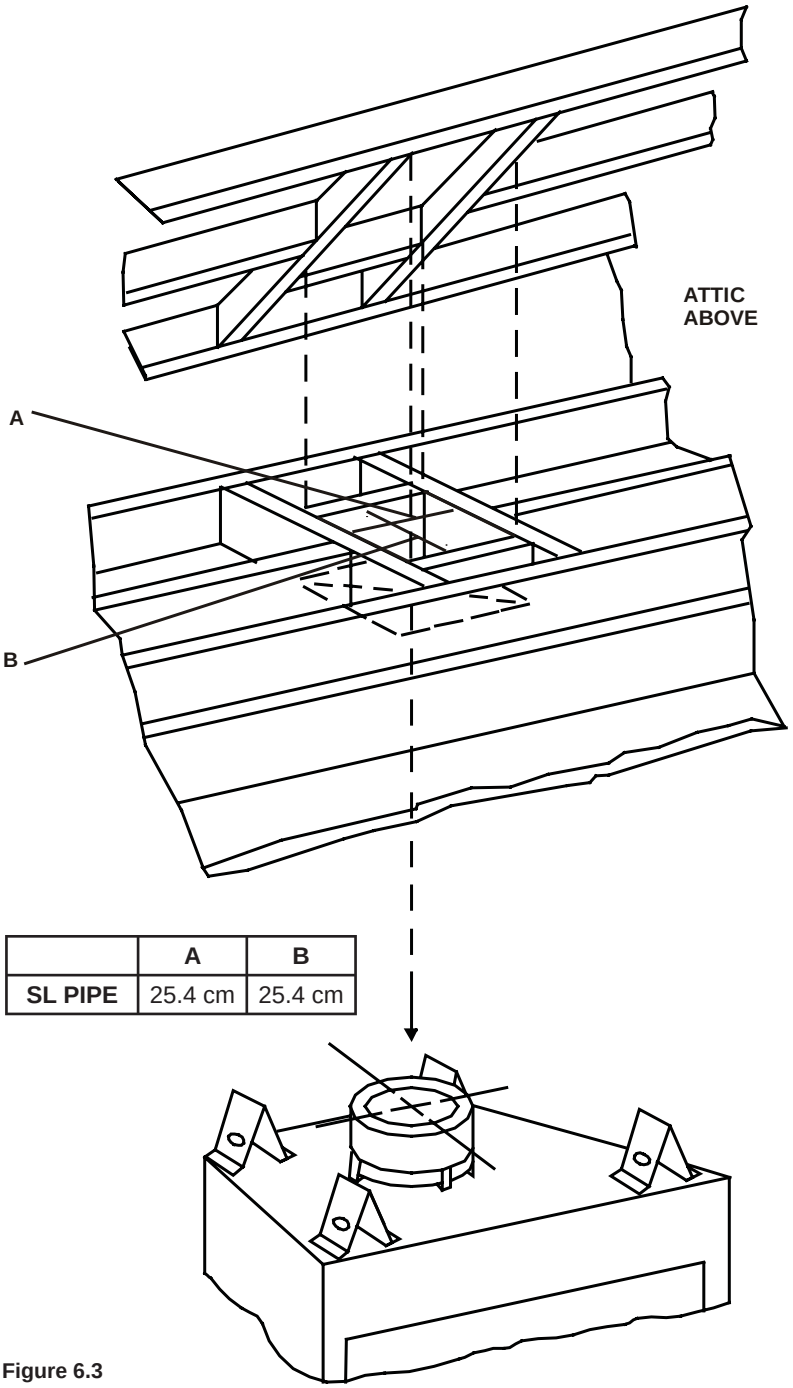
Fire Hazard

Keep loose materials or blown insulation from touching the flue pipe.

- Hearth & Home Technologies requires the use of an attic shield.

Installing the Ceiling Firestop

- Frame an opening 25.4 cm by 25.4 cm whenever the system penetrates a ceiling/floor (see Figure 6.3). A steeply slanted roof may require an enlarged opening size in order to maintain proper flue pipe clearances.
- Frame the area with the same sized lumber as used in ceiling/floor joist.
- When installing a top flue vertical termination appliance the hole should be directly above the appliance, unless the flue is offset.
- Do not pack insulation around the flue. Insulation must be kept away from the pipe.



	A	B
SL PIPE	25.4 cm	25.4 cm

Figure 6.3

Installing Attic Shield

Note: An additional ceiling firestop is not required if attic shield is used.

- Frame opening for attic shield.
- Attic shield may be installed above or below ceiling (see Figure 6.4).
- Secure with three fasteners on each side.
- Fold tabs at top of attic shield in toward flue pipe. Tabs must keep flue pipe centered within shield.
- Field construct additional shield height if insulation is deeper than height of attic shield.

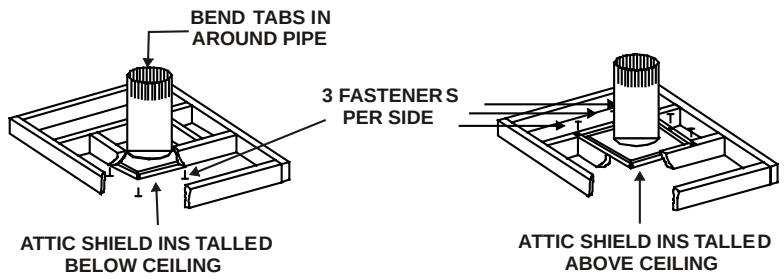

BEND TABS IN AROUND PIPE
3 FASTENERS PER SIDE
ATTIC SHIELD INSTALLED BELOW CEILING
ATTIC SHIELD INSTALLED ABOVE CEILING

Figure 6.4 Installing the Attic Shield

7 Appliance Preparation

A. Securing and Leveling the Appliance

The diagram shows how to properly position, level, and secure the appliance (see Figure 7.7). Nailing tabs are provided to secure the appliance to the framing members.

- Place the appliance into position.
- Level the appliance from side to side and front to back.
- Shim the appliance, as necessary. It is acceptable to use wood shims.
- Bend out nailing tabs on each side.
- Keep nailing tabs flush with the framing.
- Secure the appliance to the framing by using nails or screws through the nailing tabs.

⚠ WARNING

Fire Risk.

- ALWAYS maintain specified clearances around the appliance.
- Do NOT notch into the framing around the appliance spacers.

Failure to keep insulation, framing or other material away from the appliance may cause fire.

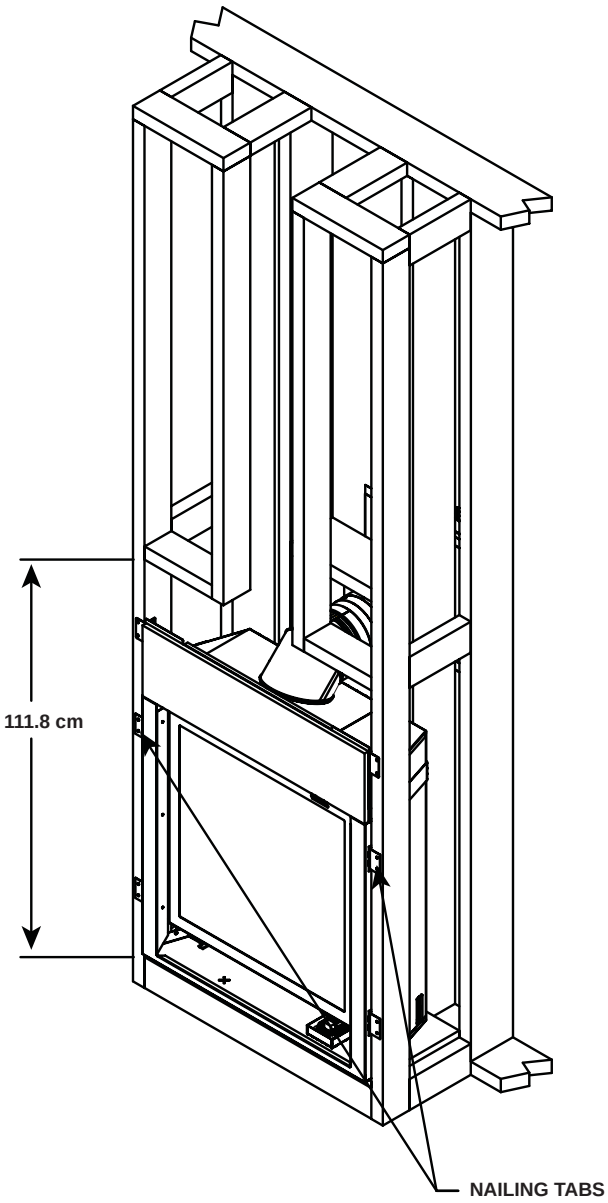


Figure 7.7 Proper Positioning, Leveling and Securing of a Appliance

8 Installing Flue Pipe

A. Assembly of Flue Sections

⚠ WARNING

Fire Risk
Exhaust Fumes Risk
Impaired Performance of Appliance

- Ensure flue components are locked together correctly.
- Pipe may separate if not properly joined.

Attach the First Flue Component to Starting Collars

To attach the first flue component to the starting collars of the appliance:

- Lock the flue components into place by sliding the concentric pipe sections with four (4) equally spaced interior beads into the appliance collar or previously installed component end with four (4) equally spaced indented sections.
- When the internal beads of each outer pipe line up, rotate the pipe section clockwise about one-quarter (1/4) turn (see Figure 8.1). The flue pipe is now locked together.
- Slide the ceramic rope ring over the first flue section and place it flush to the appliance. This will prevent cold air infiltration. High temp caulk may be used to hold the part in place. Continue to add flue components.

Continue Adding Flue Components

- Continue adding flue components, locking each succeeding component into place.
- Ensure that each succeeding flue component is securely fitted and locked into the preceding component.
- 90° elbows may be installed and rotated to any point around the preceding component's vertical axis. If an elbow does not end up in a locked position with the preceding component, attach with a minimum of two (2) sheet metal screws.

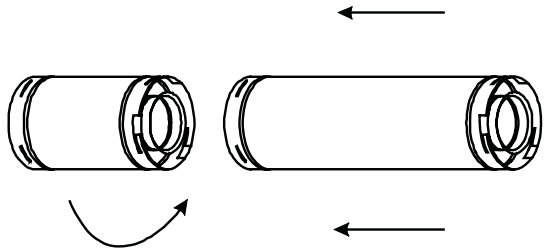


Figure 8.1 Adding Flue Components

Install Support Brackets

For Horizontal Runs - The flue system must be supported every 1.5 meters of horizontal run by a horizontal pipe support.

To install support brackets for horizontal runs:

- Place the pipe supports around the flue pipe.
- Nail the pipe supports to the framing members.

For Vertical Runs - The flue system must be supported every 2.4 meters above the appliance flue outlet by wall brackets. To install support brackets for vertical runs:

- Attach wall brackets to the flue pipe and secure the wall bracket to the framing members with nails or screws.

⚠ WARNING

Fire Risk.
Explosion Risk.
Combustion Fume Risk.

Use flue run supports per installation instructions. Connect flue sections per installation instructions.

- Maintain all clearances to combustibles.
- Do NOT allow flue to sag below connection point to appliance.

Improper support may allow flue to sag or separate.

B. Installing Firestops and Horizontal Termination Cap

⚠ WARNING

Fire Risk
Exhaust Fumes Risk
Impaired Performance of Appliance

- Ensure flue components are locked together correctly.
- Pipe may separate if not properly joined.

For Horizontal Runs - Wall shield firestops are **REQUIRED** on both sides of a combustible wall through which the flue passes.

NOTE: Model SLK-01TRD does not need an exterior wall shield firestop on an exterior combustible wall as the shield is built into this termination cap assembly.

To install wall shield firestops for horizontal runs that pass through either interior or exterior walls:

Cut a 25.4 cm x 25.4 cm hole for SL-D-series pipe. The center of the framing hole is 2.54 cm above the center of the horizontal flue pipe.

- Position the wall shield firestops on both sides of the hole previously cut and secure the wall shield firestops with nails or screws.
- The heat shields of the wall shield firestops **MUST BE** placed towards the top of the hole.
- Continue the flue run through the wall shield firestops.

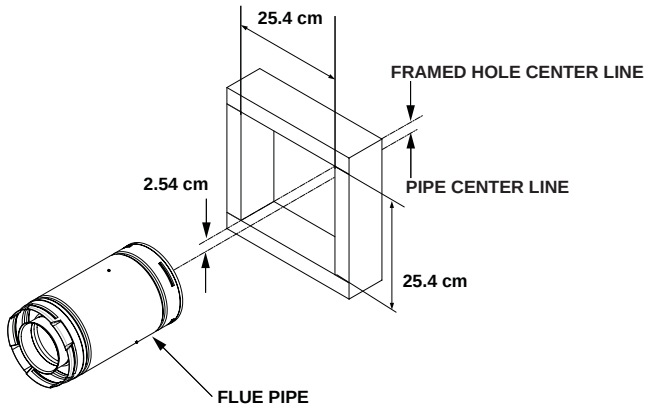


Figure 8.2 Hole and Flue Pipe

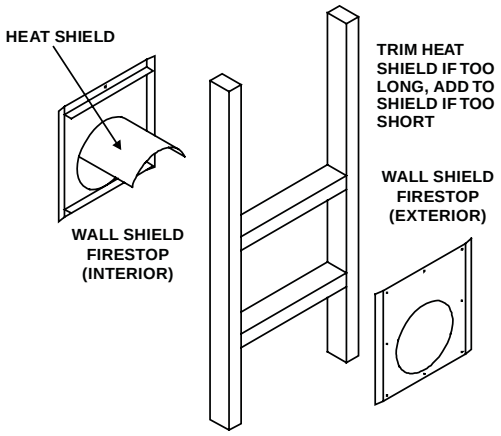

HEAT SHIELD
TRIM HEAT SHIELD IF TOO LONG, ADD TO SHIELD IF TOO SHORT
WALL SHIELD FIRESTOP (EXTERIOR)
WALL SHIELD FIRESTOP (INTERIOR)

Figure 8.3 Heat Shield, Interior & Exterior Wall Shield Firestops

⚠ WARNING

Fire Risk.
Explosion Risk.

Do NOT pack insulation or other combustibles between firestops.

- ALWAYS maintain specified clearances around venting and firestop systems.
- Install firestops as specified.

Failure to keep insulation or other material away from flue pipe may cause fire.

Installing the Horizontal Termination Cap

Flue termination must not be recessed in the wall. Siding may be brought to the edge of the cap base.

Flash and seal as appropriate for siding material at outside edges of cap.

⚠ WARNING

Do NOT connect a pipe section to a termination cap without using the telescoping flue section found on the termination cap.

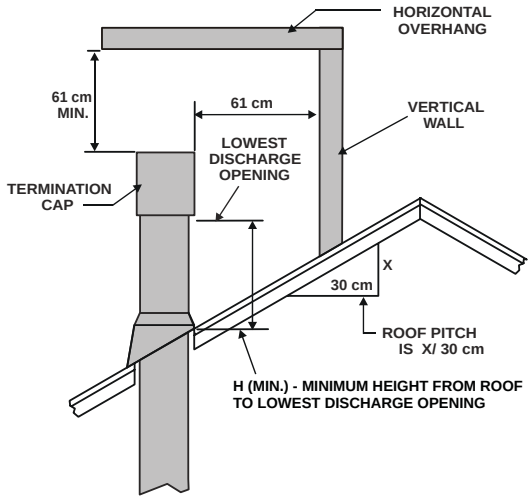
NOTE: Where required, an exterior wall flashing is available.

When penetrating a brick wall, a brick extension kit is available for framing the brick.

C. Install Roof Flashing and Vertical Termination Cap

To install roof flashing see Figure 8.4.

For installation of vertical termination cap see minimum flue heights for various pitched roofs (see Figure 8.4).



Roof Pitch	H (Min.) Meters
Flat to 6/12	0.30*
Over 6/12 to 7/12	0.38*
Over 7/12 to 8/12	0.46*
Over 8/12 to 9/12	0.61*
Over 9/12 to 10/12	0.76
Over 10/12 to 11/12	0.99
Over 11/12 to 12/12	1.22
Over 12/12 to 14/12	1.55
Over 14/12 to 16/12	1.83
Over 16/12 to 18/12	2.13
Over 18/12 to 20/12	2.29
Over 20/12 to 21/12	2.44

* 91 cm minimum in snow regions

Figure 8.4 Minimum height from roof to lowest discharge opening

⚠ WARNING

Fire Risk.

Explosion Risk.

Inspect external flue cap regularly.

- Ensure no debris blocks cap.
- Combustible materials blocking cap may ignite.
- Restricted air flow affects burner operation.

To attach the vertical termination cap, slide the inner collar of the cap into the inner flue of the pipe section and place the outer collar of the cap over the outer flue of the pipe section.

Secure the cap by driving the three self-tapping screws (supplied) through the pilot holes in the outer collar of the cap into the outer flue of the pipe (see Figure 8.5).

Figure 8.5

Assembling and Installing Storm Collar

CAUTION

Sharp Edges

- Wear protective gloves and safety glasses during installation.

Connect both halves of the storm collar with two screws (see Figure 8.6).

Wrap the storm collar around the exposed pipe section and align brackets. Insert a bolt (provided) through the brackets and tighten nut to complete storm collar assembly (see Figure 8.7).

Slide the assembled storm collar down the pipe section until it rests on the roof flashing.

Caulk around the top of the storm collar (see Figure 8.5).

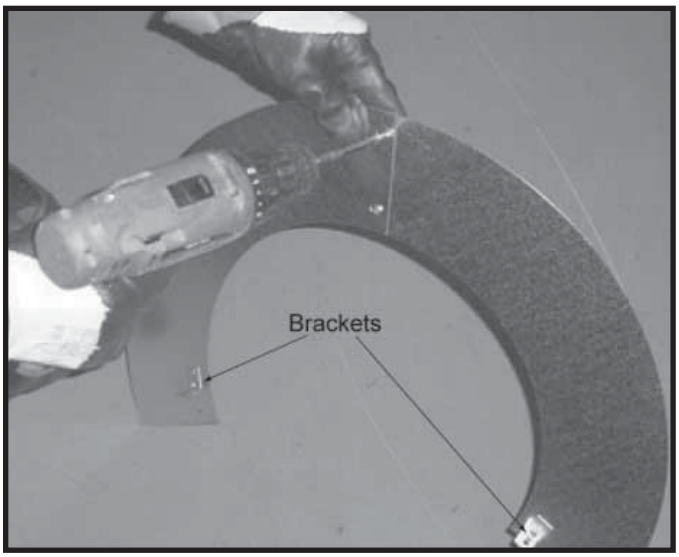


Figure 8.6 Assembling the Storm Collar

Figure 8.7 Assembling the Storm Collar Around the Pipe

9 Gas Information

A. Gas Pressure Requirements

Pressure requirements for SOHO-CE fireplaces are shown in Table 1 below.

Two taps are provided on the right hand side of the gas control for a test gauge connection to measure the inlet and outlet pressures. See **Section 10**: Maintaining and Servicing the Appliance.

The fireplace and its individual shut-off valve must be disconnected from the gas supply piping system during any pressure testing of the system at test pressures in excess of 60 mbar.

If the fireplace must be isolated from the gas supply piping system by closing an individual shut-off valve, it must be of the handle-less type.

⚠ WARNING

Fire Risk

Explosion Risk

High pressure will damage valve.

- Disconnect gas supply piping BEFORE pressure testing gas line at test pressures above 60 mbar.
- Close the manual shutoff valve BEFORE pressure testing gas line at test pressures equal to or less than 60 mbar.

B. Gas Connection

Note: Have the gas supply line installed in accordance with local building codes by a qualified installer approved and/or licensed as required by the locality.

Note: Before the first firing of the appliance, the gas supply line should be purged of any trapped air.

Note: Consult local building regulations to properly size the gas supply line leading to the (Rp 1/2 in.) hook-up at the unit.

Incoming gas line should be piped into the valve compartment and connected to the ISO 7-Rp 1/2 (BSP Rp 1/2) threaded gas inlet connection on the manual shutoff valve.

Leak test all gas line points and the gas control valve prior to and after starting the gas appliance.

⚠ WARNING

CHECK FOR GAS LEAKS

Explosion Risk

Fire Risk

Asphyxiation Risk

- Check all fittings and connections.
- Do not use open flame.
- After the gas line installation is complete, all connections must be tightened and checked for leaks with a commercially-available, non-corrosive leak check solution. Be sure to rinse off all leak check solution following testing.

Fittings and connections may have loosened during shipping and handling.

Table 1

	Natural Gas (G20)	Propane (G31)	Butane (G30)	Natural Gas (G25)
Inlet Pressure	20mbar	37 or 50mbar	30 or 50mbar	25mbar
Manifold Pressure	4.6-9.5mbar	15.8-25mbar	15.5-25mbar	5.4-11mbar
Gas Rate	.405 $^{m3}/_{h}$	.134 $^{m3}/_{h}$	.111 $^{m3}/_{h}$	.40 $^{m3}/_{h}$
Max. Input (NETCV)	4.0 kW	3.5 kW	3.6 kW	3.5 kW
Burner Injector	DMS 50	DMS 58	DMS 61	DMS 50
Pilot Injector	51	30	30	51

10 Electrical Information

A. Electronic Ignition System Wiring

- This gas appliance is equipped with an electronic ignition system which operates on a 6 volt system.
- The batteries are located within the ignition module which is located under the unit. A wiring diagram is shown in Figure 7.1.
- The battery pack requires four AA batteries (not included).

CAUTION

Battery polarity must be correct or module damage will occur.

⚠ WARNING

Shock hazard.

- Replace damaged wire with type 105º C rated wire.
- Wire must have high temperature insulation.

CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

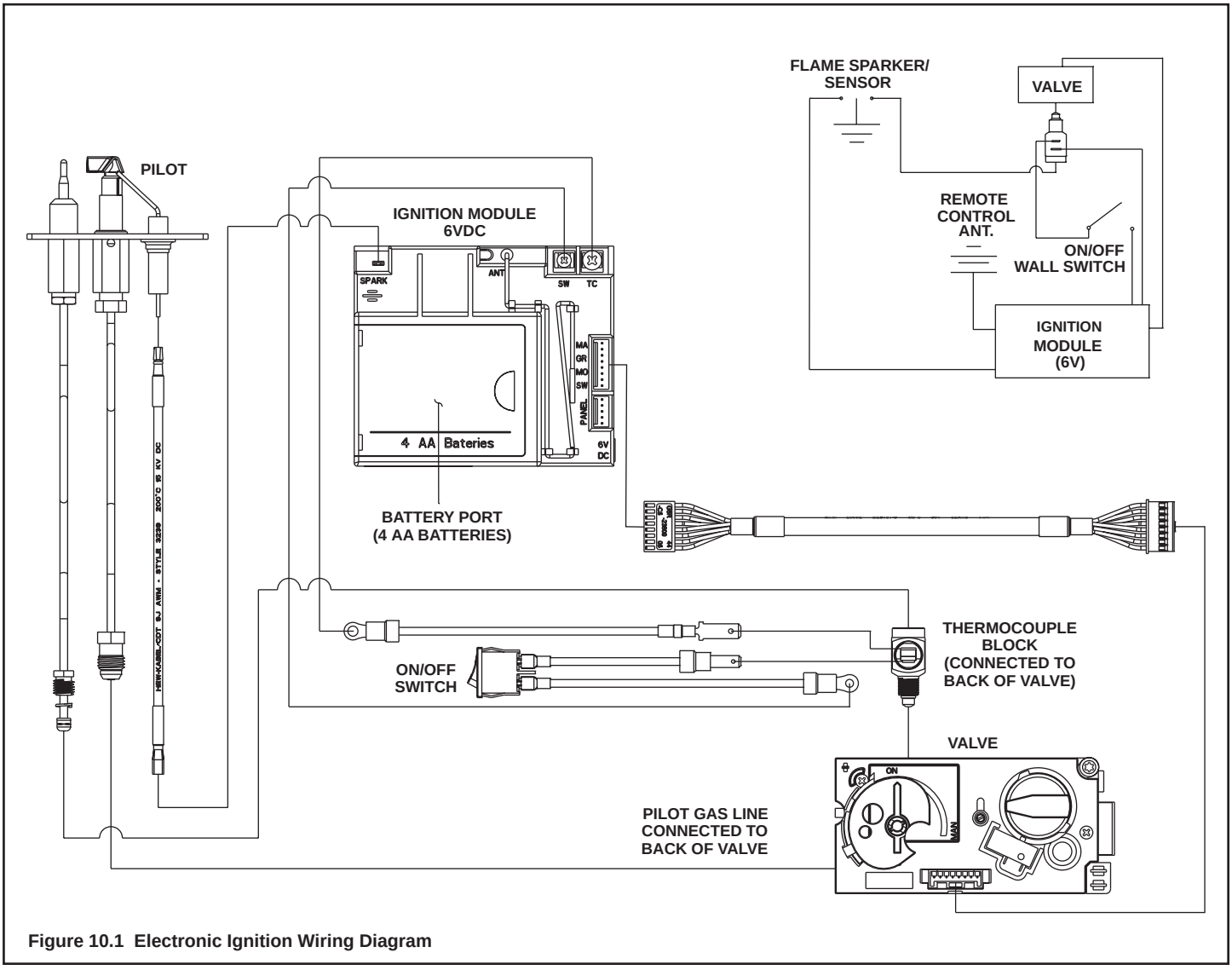


Figure 10.1 Electronic Ignition Wiring Diagram

A. Facing Material

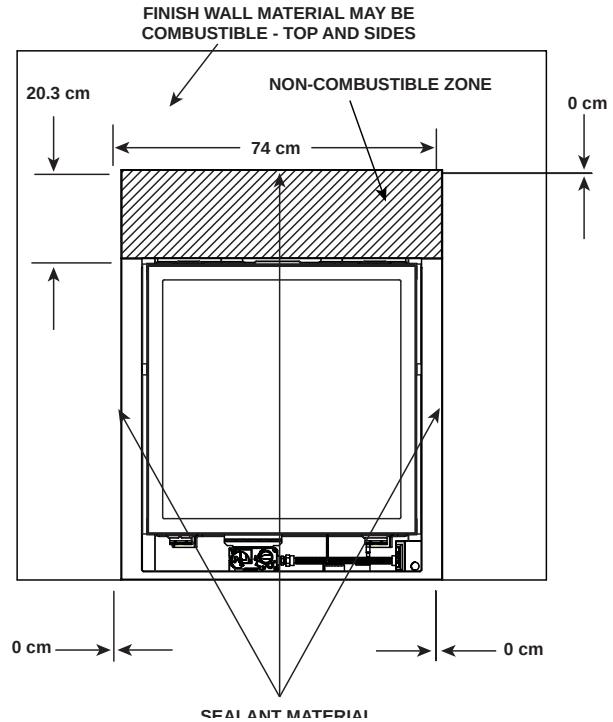


Figure 11.1 Noncombustible Facing Diagram

⚠ WARNING

Risk of Fire

- Non-combustible clearances **MUST** be maintained.
- Sheetrock, wood or other combustibles must **NOT** be used as sheathing or facing in the non-combustible zone.
- See **Section 11** for proper clearances.
- See **Section 1** for combustible/non-combustible definitions.

⚠ WARNING

Fire Risk.

Finish all edges and fronts to clearances and specifications listed in manual.

- Black metal appliance front may be covered with noncombustible material only.
- Do NOT overlap combustible materials onto appliance front.
- Install combustible materials up to specified clearances on top, front and side.
- Seal joints between the finished wall and appliance top and sides using only a 150º C minimum sealant.

B. Mantel Projections

No mantels are allowed when using Studio-CE fronts.

Note: All dimensions are shown in centimeters

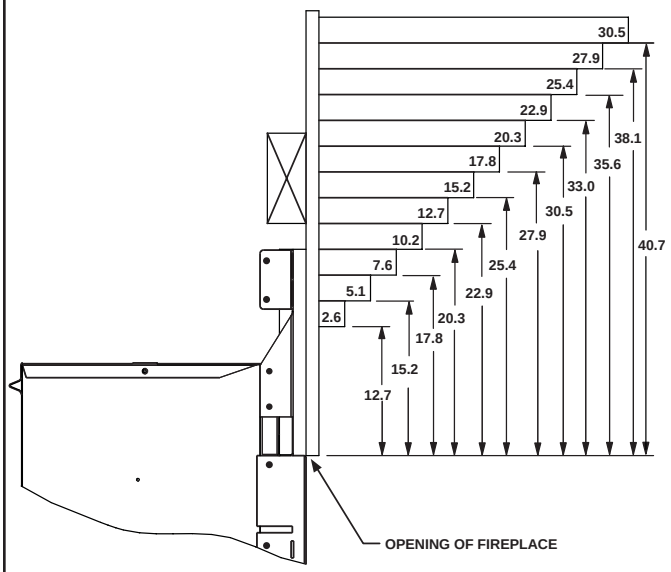


Figure 11.2 Minimum vertical and maximum horizontal dimensions of combustibles above appliance when using the DF-SOHOCE-BK dress guard.

12 Appliance Setup

A. Remove Shipping Materials

Remove shipping materials from inside or underneath the firebox.

B. Clean the Appliance

Clean/vacuum any sawdust that may have accumulated inside the firebox or underneath in the control cavity.

C. Accessories

Install approved accessories per instructions included with accessories. See Service Parts List for appropriate accessories. Refer to **Section 16.**

D. Ember Placement

⚠ WARNING

Explosion Risk.

- Follow ember placement instructions in manual.
- Do NOT place embers directly over burner ports.
- Replace ember material annually.

Improperly placed embers interferes with proper burner operation.

Placing the Ember Material

Ember material is shipped with this gas appliance. To place the ember material:

•Place small pieces of ember material on burner top around burner ports.

Do NOT press embers into burner ports.

Do NOT place embers in the center area shown in Figure 12.1.

- Use this material to give the appliance a realistic ash bed.
- Save the remaining ember materials for use during appliance servicing. The embers provided should be enough for multiple applications.

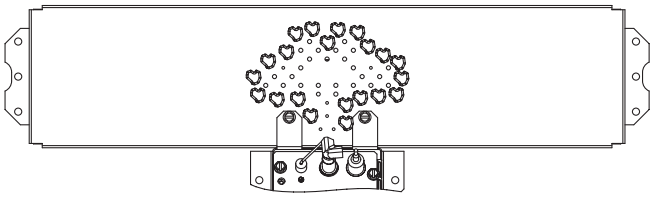


Figure 12.1 Ember Placement

Figure 12.2

CAUTION: Logs are fragile. Carefully remove the logs from the packaging.

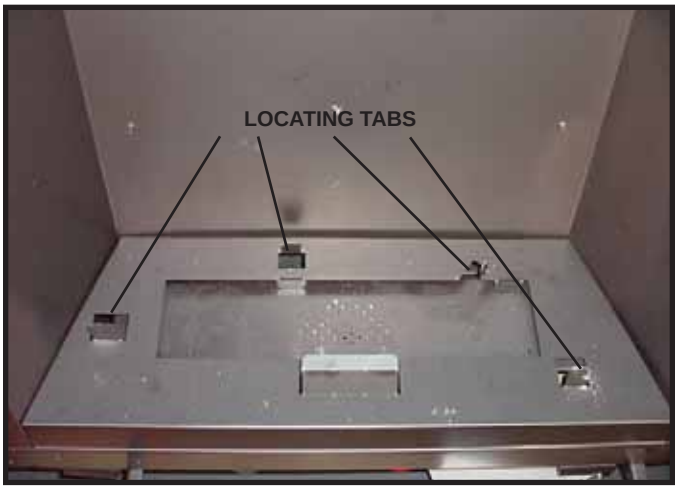


Figure 12.3

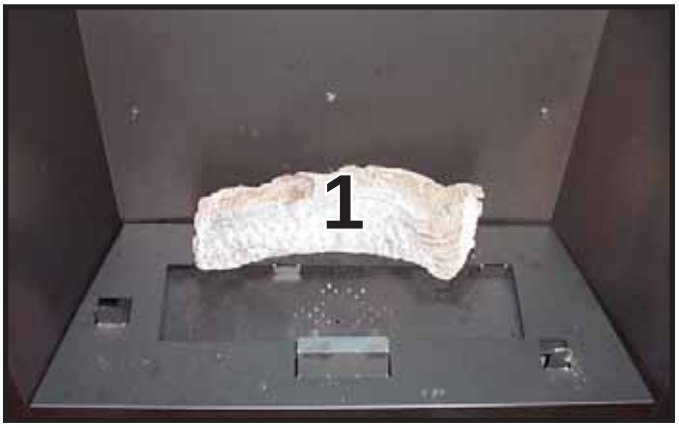


Figure 12.4

Step 1. Place Log #1 **(SRV2111-700)** against rear right tab with its slot over center locating tab.

Figure 12.5

Step 2 Place Log #2 **(SRV2111-701**) onto base pan such that Log #2 fits in groove of Log #1. Push it back against the left hand side locating tab. Ensure burner ports are not covered by logs.

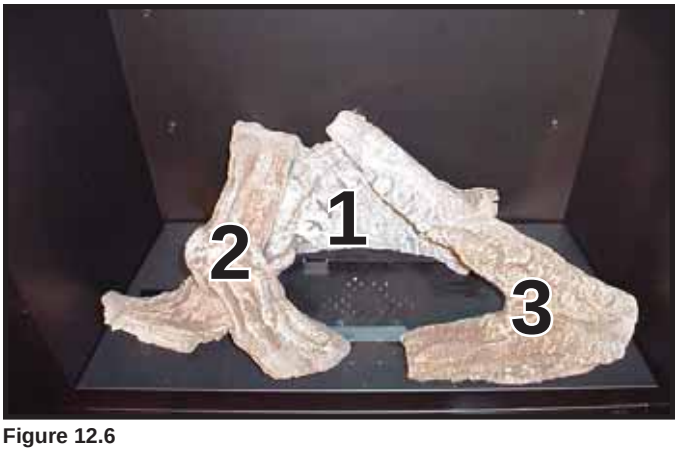


Figure 12.6

Step 3. Place Log #3 **(SRV2111-702)** so the top rests on Log #1 against Log #2. The base slot on Log #3 will fit over the locating tab on the front right hand side.

F. Glass Assembly

⚠ WARNING

Handle glass doors with care.

- Inspect the gasket to ensure it is undamaged.
- Inspect the glass for cracks, chips or scratches.

- Do NOT strike, slam or scratch glass.
- Do NOT operate appliance with glass door removed, cracked, broken or scratched.
- Replace glass door assembly as a complete appliance.

Removing Glass Assembly

Pull the two lower and two upper glass assembly latches out of the groove on the glass frame. Remove glass door from the appliance (see Figure 12.10).

Replacing Glass Assembly

Replace the glass door on the appliance. Pull out and latch the two glass assembly latches into the groove on the glass frame on the bottom and top edges.

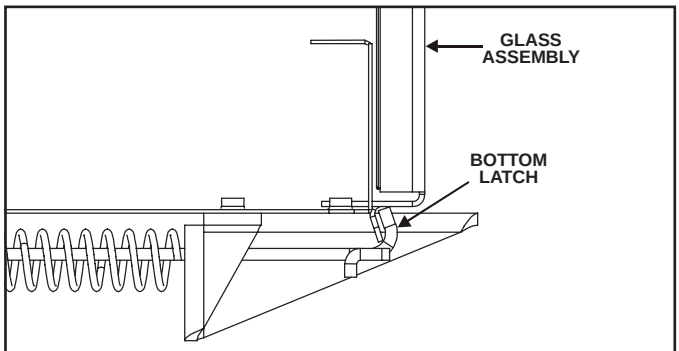


Figure 12.10 Glass Assembly

13 Operating Instructions

A. Before Lighting Appliance

Before operating this appliance have a qualified technician:

- Remove all shipping materials from inside and/or underneath the firebox.
- Review proper placement of logs and mineral wool.
- Check the wiring.
- Check the air shutter adjustment.
- Ensure that there are no gas leaks.
- Ensure that the glass is sealed and in the proper position.
- Ensure that the flow of combustion and ventilation air is not obstructed (flue terminations).

⚠ WARNING

Glass door must be in place when appliance is operating.

Risk of:

- Combustion Fumes
- Fire

Do NOT operate appliance with glass door removed.

- Open viewing glass for servicing only.

- Glass door MUST be in place and sealed before operating appliance.
- Only use glass door certified for use with appliance.
- Glass replacement should be done by qualified technician.

⚠ WARNING

HOT! DO NOT TOUCH.
SEVERE BURNS MAY RESULT.
CLOTHING IGNITION MAY RESULT.

Glass and other surfaces are hot during operation and cool down.

- Keep children away.
- CAREFULLY SUPERVISE children in same room as appliance.
- Alert children and adults to hazards of high temperatures.
- Do NOT operate with protective barriers open or removed.
- Keep clothing, furniture, draperies and other combustibles away.

This appliance is not supplied with an integral barrier to prevent direct contact with the fixed glass panel. Do NOT operate the appliance without a protective barrier installed.

Contact your dealer or Hearth & Home Technologies if help is needed to properly install one.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information consult a qualified installer, service agency or the gas supplier.

⚠ WARNING

Do NOT use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

B. Lighting the Fireplace

Electronic Ignition

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

A. This fireplace is equipped with an electronic pilot ignition device which automatically lights the burner. Do not try to light the burner by hand.

B. BEFORE LIGHTING, smell all around the fireplace area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

C. Do not use this fireplace if any part has been under water. Immediately call a qualified service technician to inspect the fireplace and to replace any part of the control system and any gas control which has been under water.

WARNING:

DO NOT CONNECT 240 VAC TO THE CONTROL VALVE.

Improper installation, adjustment, alteration, service or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this fireplace.

This fireplace needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

If not installed, operated, and maintained in accordance with the manufacturer's instructions, this product could expose you to substances in fuel or fuel combustion.

Keep burner and control compartment clean. See installation and operating instructions accompanying fireplace.

CAUTION:

Hot while in operation. Do not touch. Keep children, clothing, furniture, gasoline and other liquids having flammable vapors away.

Do not operate the fireplace with panel(s) removed, cracked or broken. Replacement of the panel (s) should be done by a licensed or qualified service person.

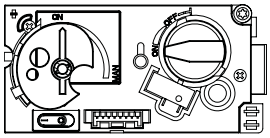
NOT FOR USE WITH SOLID FUEL

For use with natural, propane and butane gases.

LIGHTING INSTRUCTIONS

1. This fireplace is equipped with an ignition device which automatically lights the burner. Do not try to light the burner by hand.

GAS VALVE



2. Wait five (5) minutes to clear out any gas. Then smell for gas, including near the floor. If you smell gas, STOP! Follow "B" in the Safety Information located on the left side of this label. If you don't smell gas, go to next step.

3. To light the burner, simultaneously press the star ✶ and up ▲ arrow buttons on the remote control until a short acoustic signal confirms the start sequence has begun.

4. If the fireplace will not operate, check the batteries then follow the instructions "To Turn Off Gas to Fireplace" and call your service technician or gas supplier.

TO TURN OFF GAS TO FIREPLACE

1. Push the 'OFF' button on remote.

2. Remove batteries from receiver.

C. After Appliance is Lit

Initial Break-in Procedure

When you light the appliance, you may notice that it produces heat which does have an associated odor or smell. If you feel this odor is excessive it may require the initial three to four hour continuous burn on high followed by a second burn up to 12 hours to fully drive off any odor from paint and lubricants used in the manufacturing process. Condensation of the glass is normal.

NOTE: The appliance should be run three to four hours on the initial start-up. Turn it off and let it cool completely. Remove and clean the glass. Replace the glass and run the appliance for an additional 12 hours. This will help to cure the products used in the paint and logs.

During this break-in period it is recommended that some windows in the house be opened for air circulation. This will help avoid setting off smoke detectors, and help eliminate any odors associated with the appliance's initial burning.

⚠ WARNING

Fire Risk.

High Temperatures.

Keep combustible household items away from appliance.

Do NOT obstruct combustion and ventilation air.

- Do NOT place combustible items on top of or in front of appliance.
- Keep furniture, draperies away from appliance.

CAUTION

Smoke and odors released during initial operation.

- Open windows for air circulation.
- Leave room during initial operation.
- Smoke may set off smoke detectors.

Smoke and odors may be irritating to sensitive individuals.

⚠ WARNING

Fire Hazard.

Keep combustible materials, gasoline and other flammable vapors and liquids clear of appliance.

- Do NOT store flammable materials in the appliance's vicinity.
- Do NOT use gasoline, lantern fuel, kerosene, charcoal lighter fluid or similar liquids in this appliance.
- Combustible materials may ignite.

D. Frequently Asked Questions

ISSUE	SOLUTIONS
Condensation of the glass	This is a result of gas combustion and temperature variations. As the appliance warms, this condensation will disappear.
Blue flames	This is a result of normal operation and the flames will begin to yellow as the appliance is allowed to burn for 20 to 40 minutes.
Odor from appliance	When first operated, this appliance may release an odor for the first several hours. This is caused by the curing of the paint and the burning off of any oils remaining from manufacturing. Odor may also be released from finishing materials and adhesives used around the appliance.
Film on the glass	This is a normal result of the curing process of the paint and logs. Glass should be cleaned within 3 to 4 hours of initial burning to remove deposits left by oils from the manufacturing process. A non-abrasive cleaner such as gas fireplace glass cleaner may be necessary. See your dealer.
Metallic noise	Noise is caused by metal expanding and contracting as it heats up and cools down, similar to the sound produced by a furnace or heating duct. This noise does not affect the operation or longevity of the appliance.

14 Troubleshooting

With proper installation, operation, and maintenance your gas appliance will provide years of trouble-free service. If you do experience a problem, this troubleshooting guide will assist a qualified service person in the diagnosis of a problem and the corrective action to be taken. This troubleshooting guide can only be used by a qualified service technician.

A. Electronic Ignition System

Symptom		Possible Causes		Corrective Actions
1	No transmission, motor does not turn.	A.	Receiver must learn new code.	Press and hold the receiver's reset button until you hear 2 acoustic signals. After the second longer acoustic signal, release the reset button and within the subsequent 20 seconds, press the down arrow on the remote handset until you hear an additional long acoustic signal confirming the new code is set.
2	No ignition. No tone.	A.	Receiver	Replace receiver and reprogram code.
3	No ignition; one 5 seconds continuous tone (7 shorts beeps might be heard prior to the 5 seconds tone).	A.	ON/OFF switch is in OFF position.	Push switch to ON position.
		B.	Loose wire.	Secure wire.
		C.	Receiver.	Replace receiver and reprogram.
		D.	Bent pins on 8 wire connector.	Straighten pins on 8 wire connector.
		E.	Valve.	Replace valve.
4	No pilot flame and control continues to spark.	A.	Air in the pilot supply line.	Purge the line or start ignition several times.
		B.	Thermocouple circuit wired incorrectly.	Check polarity of the thermocouple wires.
		C.	No spark at pilot burner.	Check spark gap, check wiring connection. Check for spark in location along cable.
		D.	Valve.	Replace valve. Do not over tighten.
		E.	Over tightened thermocouple interrupter.	Replace valve and thermocouple interrupter.
		F.	Receiver.	Replace receiver and reprogram code.
5	Pilot is lit and control continues to spark. Valve shuts off after 10...30 seconds. Valve operates manually.	A.	Receiver.	Replace receiver and reprogram code.
6	Pilot is lit, sparking stops if a flame is present. Valve shuts off after 10...60 seconds. Valve does not work manually.	A.	Thermocouple.	Replace thermocouple.
		B.	Low inlet pressure to valve.	Confirm sufficient inlet pressure to the valve. Adjust or replace inlet regulator if necessary.
		C.	Valve.	Replace valve. Do not overtighten the thermocouple interrupter.
7	3 short beeps while the motor turns.	A.	Batteries are low.	Replace batteries - quality alkaline recommended. WARNING: Creating an electrical short between the batteries/battery box and metal parts of the appliance may render the receiver inoperable.
8	Pilot flame lights but there is no main gas flow.	A.	Manual override knob (if equipped) is in MAN position.	Turn Manual override knob to ON position.
		B.	Valve turned down to pilot flow.	Turn flame to high fire by pressing up button on remote handset.
		C.	Low inlet pressure to valve.	Confirm sufficient inlet pressure to the valve. Adjust or replace inlet regulator if necessary.
		D.	Valve.	Replace valve.
9	Pilot sparks, but pilot will not light.	A.	Correct gas supply.	Verify that incoming gas line ball valve is "open". Verify that inlet pressure reading is within acceptable limits, inlet pressure must not exceed 50 mbar.
		B.	Ignitor gap is too large.	Verify that spark gap from ignitor to pilot hood is .43 cm.
		C.	Module is not grounded.	Verify control box is securely grounded to metal chassis of fireplace.

15 Maintaining and Servicing Appliance

A. Maintenance Tasks

Although the frequency of appliance servicing and maintenance will depend on use and the type of installation, a qualified service technician should perform an appliance check-up at the beginning of each heating season.

⚠ WARNING

Risk of injury or property damage.

Before servicing:

- Turn off gas.
- Turn off electricity to appliance.
- Disable remote control, if one is present.
- Ensure appliance is completely cooled.

After servicing:

- Replace any screen or barrier that was removed.
- Reseal and reinstall any venting removed for servicing.

⚠ WARNING

Annual inspection by qualified technician recommended.

Check:

- Condition of doors, surrounds and fronts.
- Condition of glass, glass assembly and glass seal.
- Obstructions of combustion and ventilation air.
- Condition of logs.
- Condition of firebox.
- Burner ignition and operation.
- Burner air shutter adjustment
- Gas connections and fittings.
- Obstructions of termination cap.

Clean:

- Glass
- Air passageways, control compartment
- Burner, burner ports

Risk of:

- Fire
- Delayed ignition or explosion
- Exposure to combustion fumes
- Odors

CAUTION

Handle glass assembly with care.

NOTE: Clean glass after initial 3-4 hours operation. **Longer operation without cleaning glass may cause a permanent white film on glass.**

When cleaning glass door:

- Avoid striking, scratching or slamming glass.
- Do NOT use abrasive cleaners.
- Use a hard water deposit glass cleaner on white film.
- Do NOT clean glass when hot.
- Turn off appliance after 3-4 hours of operation and ALLOW TO COOL.
- Remove and clean glass assembly.
- Replace glass assembly and operate appliance for additional 12 hours.

Refer to maintenance instructions.

⚠ WARNING

Inspect external flue cap regularly.

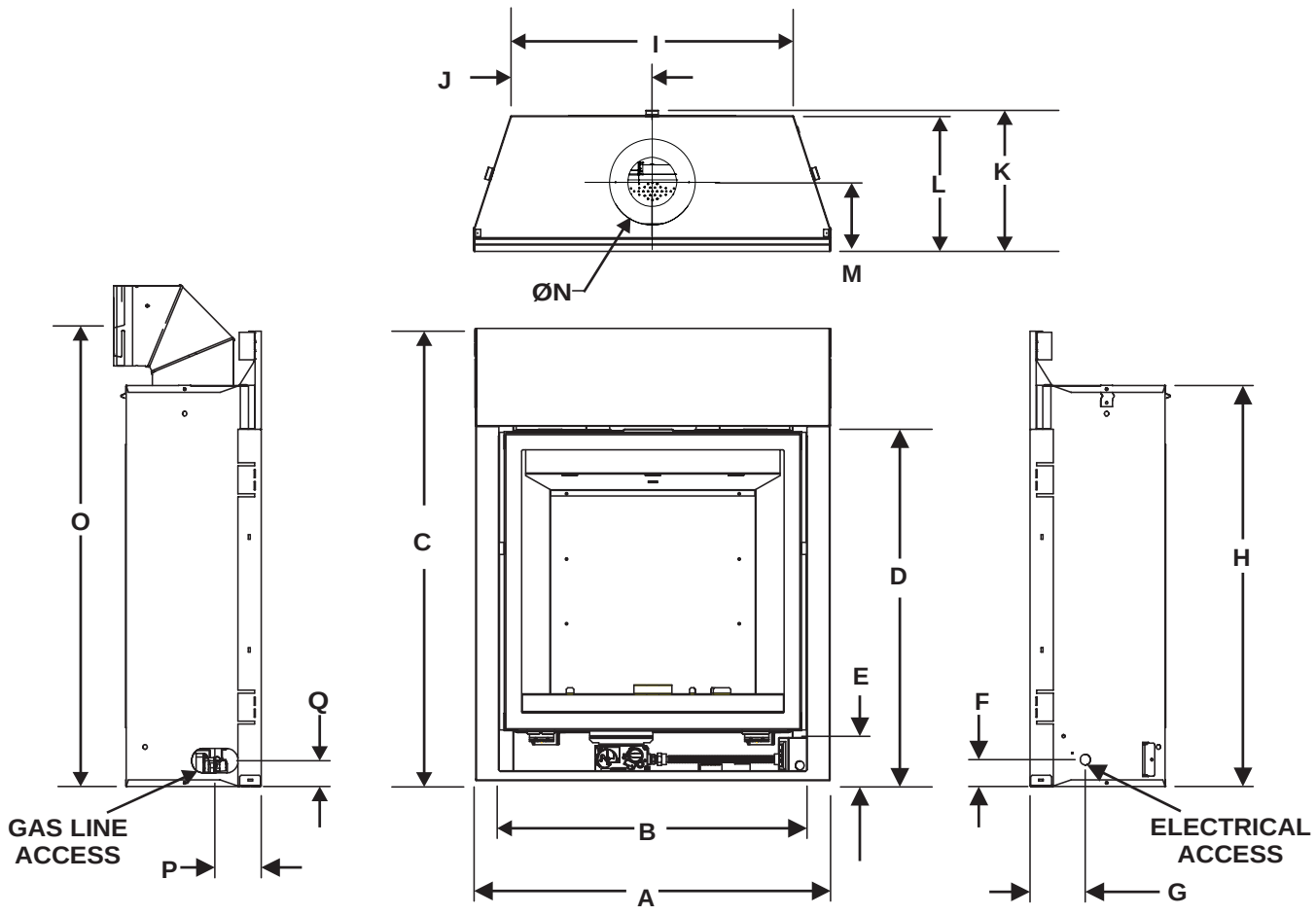
- Ensure no debris blocks cap.
- Combustible materials blocking cap may ignite.
- Restricted air flow affects burner operation.

Inspect	Maintenance Tasks
Doors, Surrounds and Fronts	1. Assess condition of screen and replace as necessary. **Recommend addition of screen if one is not present.**
	2. Inspect for scratches, dents or other damage and repair as necessary.
	3. Verify no obstructions to airflow through the louvers.
	4. Verify maintenance of proper clearance to combustible household objects.
Gasket Seal, Glass Assembly and Glass	1. Inspect gasket seal and its condition.
	2. Inspect glass panels for scratches and nicks that can lead to breakage when exposed to heat.
	3. Confirm there is no damage to glass or glass frame. Replace as necessary.
	4. Verify that latches engage properly, clip studs are not stripped, and glass attachment components are intact and operating properly. Replace as necessary.
	5. Clean glass. Replace glass assembly if severely coated with silicate deposits that cannot be removed.
Valve Compartment and Firebox Top	1. Vacuum and wipe out dust, cobwebs, debris or pet hair. Use caution when cleaning these areas. Screw tips that have penetrated the sheet metal are sharp and should be avoided.
	2. Remove any foreign objects.
	3. Verify unobstructed air circulation.
Logs	1. Inspect for broken, damaged, or missing logs. Replace as necessary.
	2. Verify correct log placement and no flame impingement causing sooting. Correct as necessary.
Firebox	1. Inspect for paint condition, warpage, corrosion or perforation. Sand and repaint as necessary.
	2. Replace appliance if firebox has been perforated.
Burner Ignition and Operation	1. Verify burner is properly secured and aligned with pilot or igniter.
	2. Clean off burner top, inspect for plugged ports, corrosion or deterioration. Replace burner if necessary.
	3. Replace ember materials with new 1.5 cm pieces. Do not block ports or obstruct lighting paths.
	4. Check for smooth lighting and ignition carryover to all ports. Verify there is no ignition delay.
	5. Inspect for lifting or other flame problems.
	6. Verify air shutter is clear of dust and debris.
	7. Inspect orifice for soot, dirt or corrosion.
	8. Verify manifold and inlet pressures. Adjust regulator as required.
	9. Inspect pilot flame strength. Clean or replace orifice as necessary.
	10. Inspect thermocouple sensor rod for soot, corrosion and deterioration. Clean with emery cloth or replace as required.
	11. Verify millivolt output. Replace as necessary.
Flueing	1. Inspect flueing for blockage or obstruction such as bird nests, leaves, etc.
	2. Confirm that termination cap remains clear and unobstructed by plants, etc.
	3. Verify that termination cap clearance to subsequent construction (building additions, decks, fences or sheds) has been maintained.
	4. Inspect for corrosion or separation.
	5. Verify weather stripping, sealing and flashing remains intact.
Remote controls	1. Verify operation of remote.
	2. Replace batteries in remote transmitters and battery-powered receivers.

16 Reference Materials

A. Appliance Dimension Diagram

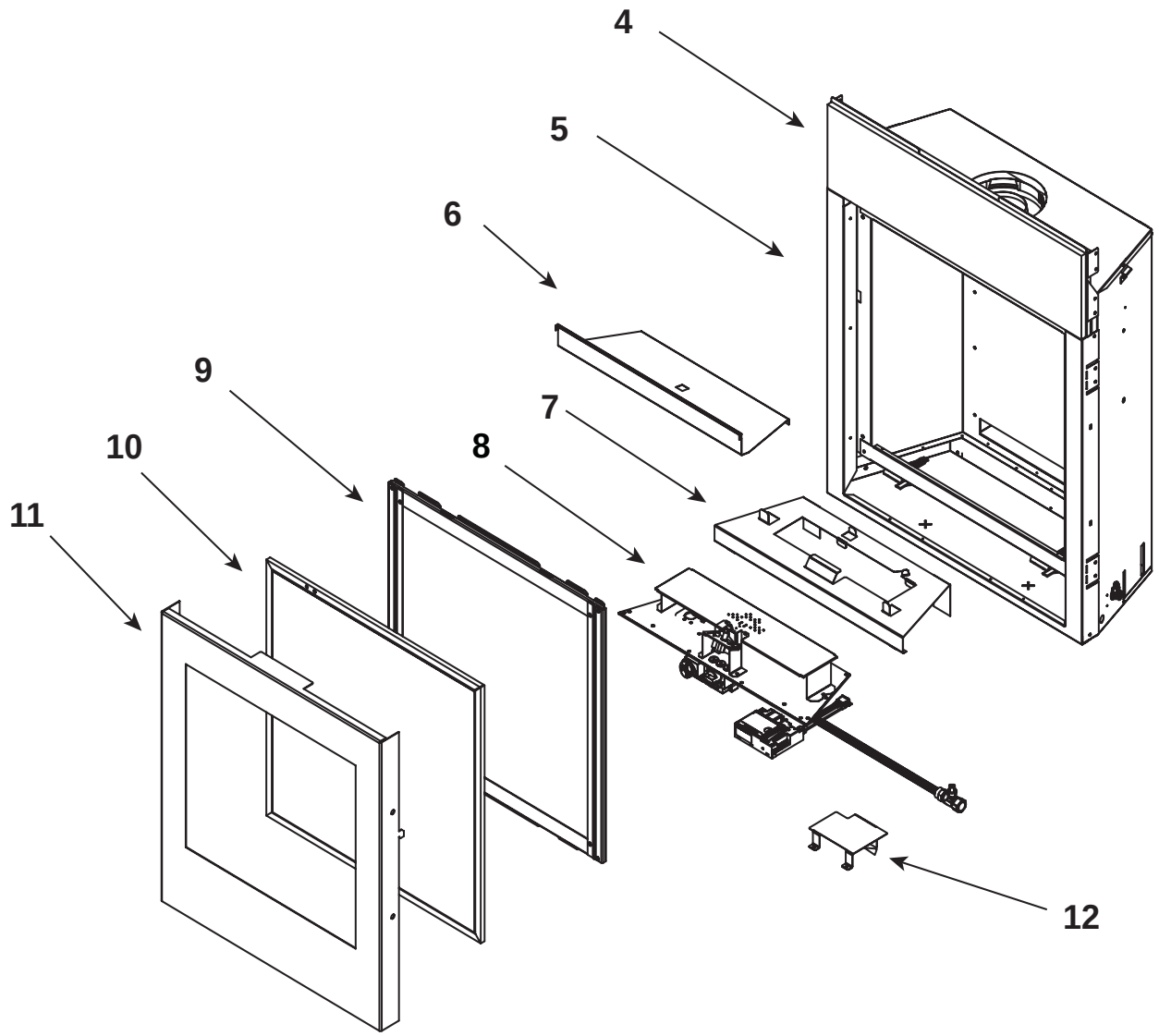
Dimensions are actual appliance dimensions. Use for reference only. For framing dimensions and clearances refer to Section 3.



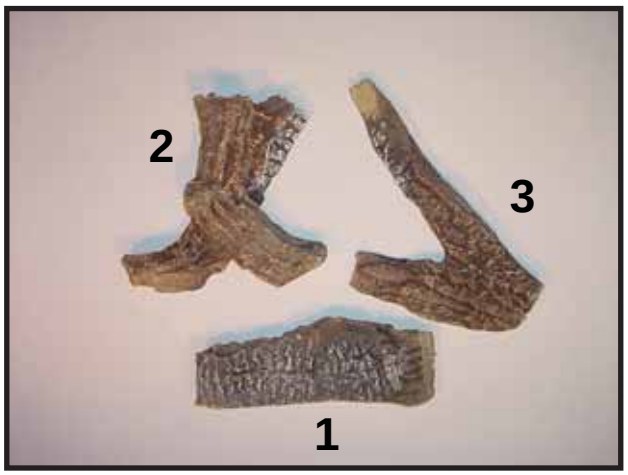
Appliance Dimensions Table

Location	Centimeter	Location	Centimeter
A	74.0	J	29.2
B	64.3	K	29.2
C	94.5	L	27.9
D	74.2	M	14.2
E	10.5	N	16.8
F	5.6	O	94.0
G	11.5	P	9.6
H	83.2	Q	5.7
I	58.6		

Figure 16.1 Appliance Dimensions



Log Set Assembly



Part number list on following page.

➔ B. Service Parts List SOHO-CE

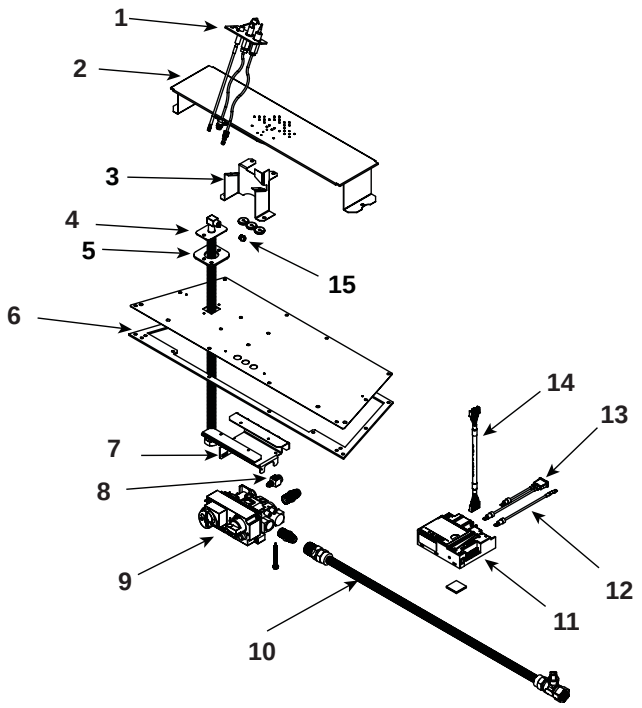
IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers' VIP site. When ordering, supply serial and model numbers to ensure correct service parts.

ITEM	PART DESCRIPTION	SERIAL #	PART NUMBER
	Log Set Assembly		LOGS-SOHOCE
1	Log 1		SRV2111-700
2	Log 2		SRV2111-701
3	Log 3		SRV2111-702
4	Non-combustible Board		2111-148
5	Surround		2077-112
6	Inner Restrictor		2111-142
7	Base Pan		2111-101
8	Burner Assembly N		2111-020
	Burner Assembly P		2111-022
	Burner Assembly B		2111-024
9	Glass Assembly		GLA-SOHOCE
10	Mesh Assembly		2077-011
11	Decorative Front		DF-SOHOCE-BK
12	Module Heat Shield		2111-166
	Rope Ring		045-455
	Mineral Wool Embers		050-721
	Glass Latch Assembly		386-122A
	Conversion Kits		
	Natural Gas to Propane or Butane		N2PB-SOHO-CE
	Propane or Butane to Natural Gas		PB2N-SOHO-CE
	Propane to Butane or Butane to Propane		P2B-SOHO-CE
	Remote Control		REM-DLX-CE
	Junction Box (Optional)		2078-025
	6 V Adaptor (Optional)		2098-144

Additional Servire Part Numbers appear on the following page.

Valve Assembly Parts Diagram

Beginning Manufacturing Date: 1-07
Ending Manufacturing Date: _____



IMPORTANT: THIS IS DATED INFORMATION. The most current information is located on your dealers' VIP site. When ordering, supply serial and model numbers to ensure correct service parts.

ITEM	PART DESCRIPTION	SERIAL #	PART NUMBER
1	Pilot Assembly G		2098-050
	Pilot Assembly B & P		2098-051
2	Burner Assembly G		2111-020
	Burner Assembly P		2111-022
	Burner Assembly B		2111-024
3	Pilot Bracket		2111-123
4	Flex Tube Assembly		530-302A
5	Burner Neck Gasket		438-407
6	Valve Plate Gasket		2077-138
7	Valve Bracket		2111-186
8	Thermocouple block		2098-146
9	Valve N		2098-138
	Valve B & P		2098-139
10	Flex Ball Valve Assembly		2098-022
11	Module		2098-142
13	Switch Assembly		2098-145
14	Control Cable		2098-143
12	Block Control Wire		2098-148
15	Burner Orifice N (#50C)		582-850
	Burner Orifice P (#58C)		582-858
	Burner Orifice B (#61C)		582-861

C. Limited Lifetime Warranty

LIMITED LIFETIME WARRANTY
HEAT & GLO GAS APPLIANCE PRODUCTS

HEAT&GLO
Where everything comes together

BASIC ONE-YEAR WARRANTY. HEAT & GLO, a brand of HEARTH & HOME TECHNOLOGIES INC., located at 20802 Kensington Boulevard, Lakeville, MN 55044, ("HEAT & GLO") warrants to the original owner that your new HEAT & GLO Gas Appliance (the "Product") will be free from defects in materials and workmanship for a period of one year from the date of installation. During the first year, HEAT & GLO will replace or repair, at its discretion, any defective components at its sole cost and expense, including payment of all reasonable labor costs incurred in replacing or repairing such components. This basic warranty is subject to the conditions, exclusions and limitations described below.

EXTENDED LIFETIME COVERAGE. HEAT & GLO warrants that the firebox, heat exchanger, log(s), and burner will not be defective in material or workmanship during the period the Product is owned by the original owner, subject to the following conditions, exclusions and limitations described below.

CONDITIONS, EXCLUSIONS AND LIMITATIONS:

1. This warranty applies to the original owner only and is nontransferable.
2. This warranty applies only to Products installed in the United States of America or Canada.
3. This warranty is limited to the replacement or repair of defective components or workmanship and HEAT & GLO may fully discharge all obligations under this warranty by repairing or replacing, at its discretion, the defective components. The maximum amount recoverable under this warranty is limited to the purchase price of the Product and, if HEAT & GLO is unable to provide replacement or repair in an expedient and cost-effective manner, HEAT & GLO may discharge all obligations under this warranty by refunding the purchase price of the Product. IN NO EVENT SHALL HEAT & GLO BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY DEFECTS IN THE PRODUCT.
4. Any labor and related repair charges relating to the costs and expenses of replacing or repairing defective components under the Limited Lifetime Warranty are not covered by this warranty, except as provided for under the Basic One-Year Warranty.
5. Components and parts made by other manufacturers, whether sold with the Product or added thereafter, are NOT covered by this warranty unless expressly authorized and approved by HEAT & GLO in writing.
6. Any damages caused by environmental conditions, inadequate ventilation or drafting caused by tight sealing construction of the structure, air handling devices such as exhaust fans or forced air furnaces, or other such causes are not covered by this warranty.
7. This warranty will be void if:
   a) The Product is not installed, operated and maintained in compliance with local building codes and with the instructions in the Installer's Guide, Owner's Guide and Listing Agent Identification Label furnished with the Product.
   b) Any parts or components made by other manufacturers are added or used in the Product, unless expressly authorized and approved by HEAT & GLO in writing.
   c) Any service work is performed on the Product by anyone other than an authorized HEAT & GLO representative.
   d) The Product is damaged due to shipping, improper handling, accident, abuse or misuse.
   e) Fuels other than those specified in the Installer's Guide and Owner's Guide are used.
   f) Modification was made to the Product which was not expressly authorized and approved by HEAT & GLO in writing.

EXCEPT TO THE EXTENT PROVIDED BY LAW, HEAT & GLO MAKES NO EXPRESS WARRANTIES OTHER THAN THE WARRANTY SPECIFIED HEREIN. THE DURATION OF ANY IMPLIED WARRANTY IS LIMITED TO THE DURATION OF THE WARRANTY SPECIFIED ABOVE.

Some states do not allow limitations on how long an implied warranty lasts, or do not allow exclusion or limitation of incidental or consequential damages, so those limitations may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

If warranty service is needed you should contact your installing dealer and if the installing dealer is unable to provide necessary parts or components, contact the nearest authorized HEAT & GLO dealer or supplier.

NOTES TO CUSTOMER:

1. In order to insure proper installation, operation and maintenance HEAT & GLO strongly recommends annual servicing by an authorized HEAT & GLO dealer.
2. Please complete this information and retain this warranty in a safe place for future reference: Installation Date:___ Model #:_____ Serial #:_____ Installing Contractor:_____
3. HEAT & GLO reserves the right to make changes at any time, without notice, in design, material, specifications and prices of the Product. HEAT & GLO also reserves the right to discontinue styles and products.

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060-981D 3/05

D. Contact Information

HEAT&GLO™

Where everything comes together

Heat & Glo, a brand of Hearth & Home Technologies Inc.
20802 Kensington Boulevard, Lakeville, MN 55044 USA
www.heatnglo.com

Please contact your Heat & Glo dealer with any questions or concerns.
For the location of your nearest Heat & Glo dealer,
please visit www.heatnglo.com.

- NOTES -

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CAUTION

DO NOT DISCARD THIS MANUAL

- Important operating and maintenance instructions included.
- Read, understand and follow these instructions for safe installation and operation.
- Leave this manual with party responsible for use and operation.

THIS PRODUCT MAY BE COVERED BY ONE OR MORE OF THE FOLLOWING PATENTS:
(United States) 4593510, 4686807, 4766876, 4793322, 4811534, 5000162, 5016609, 5076254, 5113843, 5191877, 5218953, 5263471, 5328356, 5341794, 5347983, 5429495, 5452708, 5542407, 5601073, 5613487, 5647340, 5688568, 5762062, 5775408, 5890485, 5931661, 5941237, 5947112, 5996575, 6006743, 6019099, 6048195, 6053165, 6145502, 6170481, 6237588, 6296474, 6374822, 6413079, 6439226, 6484712, 6543698, 6550687, 6601579, 6672860, 6688302B2, 6715724B2, 6729551, 6736133, 6748940, 6748942, D320652, D445174, D462436; (Canada) 1297749, 2195264, 2225408; (Australia) 543790;586383; (Mexico) 97-0457; (New Zealand) 200265; or other U.S. and foreign patents pending.

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